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JAMECO® ELECTRONICS

Catalog 274
November 2007

More Major Passive Brands... Another Jameco Advantage

Passive Brands	Mouser®	Newark®	Digi-Key®	Jameco®
AMP	X	X	X	X
Astec	X	X	X	X
Augat				X
AVX Corporation	X	X	X	X
Bourns	X	X	X	X
Cherry	X	X	X	X
Condor Power	X			X
Corcom	X	X	X	X
CTS			X	X
Elco Connector	X	X	X	X
Fox Electronics	X		X	X
Grayhill		X	X	X
Int'l Rectifier	X	X	X	X
Kemet	X	X	X	X
Molex	X	X	X	X
Osram		X	X	X
Panasonic	X	X	X	X
Potter & Brumfield	X		X	X
Power-One				X
Teledyne Relays	X			X
Vishay	X	X	X	X
Wakefield	X			X
Totals*	17	16	19	22

* *Product line comparison information derived from the line cards of each company's website on August 28th 2007.*

- More Major Passive & Semiconductor Brands than Other Catalog Distributors
- Over 99% of Catalog Products are in Stock for Immediate Delivery
- Only Jameco Guarantees the Lowest Prices

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Great Products. Awesome Prices
Catalog 274 November 2007

Top 3 Reasons to Choose Jameco as Your Supplier

One — More Major Passive, Interconnect and Electromechanical Brands

Jameco offers more of the major Passive, Interconnect and Electromechanical brands you need to fulfill your everyday requirements. Check out the comparison of major brands offered by multiple distributors on the front cover and decide for yourself! Whether you're in the industrial, consumer, telecommunications, medical, automotive or computing markets, Jameco offers the largest variety of components, both major name-brand manufacturers and cost-saving generic equivalents, to meet your requirements. You can count on us for the products you need and the service you deserve.

Also... More Major Semiconductor Brands

Jameco also offers more of the major semiconductor brands you need everyday. Check out the chart to the right and compare for yourself!



Two — 99+% of Catalog Products in Stock

Our catalog always offers over 99% in-stock availability — the BEST of any electronic components distributor. That means whenever you place an order for a product in this catalog, over 99% will be available for same-day shipment, saving you valuable time.

Only Jameco Guarantees the Lowest Prices!

Simply stated... if you can find a lower print-advertised price elsewhere for a product we offer, let us know. We'll offer you that product for 10% less than the price you found, right down to our cost!

Three

Our Product Marketing team is compelled to offer you the best prices in the industry! They know that when they do their homework properly, there's less work for you. There is no need to shop multiple websites, thumb through multiple catalogs or listen to pitches from multiple sales reps. All of us at Jameco are committed to making sure we live up to our much-talked-about low-price guarantee! We aim to always offer you the absolute best prices in the industry! That's why our entire team dedicates much of its time researching and responding to constantly-changing market prices.

Why Shop Anywhere Else?

Every day our Product Marketing team also researches your electronic component needs. They look at the feedback you provide to our sales reps, your quote requests and your email requests to NewProducts@Jameco.com. Along with their expert knowledge and hours of research they are able to determine which products you need and want the most. The result, you are now able to get more of the major semiconductor and passive brands you want and the products you need at Jameco.

Jameco also has a great offering in Major Semiconductor Brands versus other catalogers.



Product line comparison information derived from each company's website on August 28, 2007.

Adding More of the Products You Want

We are excited to be receiving so much feedback from customers about the products and brands they want and need the most. With the information we have received we were able to add even more major brand products to our catalog. Flip through this catalog to see product additions from ***AMP, Molex, Optek, Honeywell, Erni, Bourns, Avago, Dallas, TI, Micron and Raychem,*** just to name a few.

More Products Available at Jameco.com

Be sure to visit our website for immediate access to over 100,000 additional products we offer every day. You can still thumb through this catalog, but you'll find a lot more selection on our very comprehensive website.



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MICROCHIP PIC Microcontrollers

For more Microchip Microcontrollers visit www.Jameco.com

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
145111	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13	$6.59	$4.39
145120	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13	7.09	6.49
223790	PIC12F629-I/P	DIP-8	Flash	20	1k	64	6	1.49	1.25
223781	PIC12F675-I/P⊕	DIP-8	Flash	20	1k	64	6	1.69	1.07
312514	PIC12F683-I/P	DIP-8	Flash	20	4k	128	6	2.19	2.05
312531	PIC16F54-I/P	DIP-18	Flash	20	512	25	12	1.79	1.73
193439	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16	3.55	2.32
193447	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.49	2.52
246756	PIC16F628-20I/P⊕	DIP-18	Flash	20	2k	224	16	2.65	2.62
223749	PIC16F630-I/P	DIP-14	Flash	20	1k	64	12	1.89	1.67
247142	PIC16F648A-I/P	DIP-18	Flash	20	4k	256	16	3.25	2.55
223757	PIC16F676-I/P	DIP-14	Flash	20	1k	64	12	2.19	1.43
312590	PIC16F684-I/P	DIP-14	Flash	20	2k	128	12	2.39	1.62
312611	PIC16F688-I/P	DIP-14	Flash	20	4k	256	12	2.25	1.95
312670	PIC16F737-I/SP	DIP-28	Flash	20	4k	368	25	5.39	4.65
223765	PIC16F818-I/P⊕	DIP-18	Flash	20	1k	128	16	3.35	1.93
223773	PIC16F819-I/P	DIP-18	Flash	20	2k	256	16	2.85	2.35
193332	PIC16F84A-20/P⊕	DIP-18	Flash	20	1k	68	13	5.59	4.66
246861	PIC16F84A-20I/P	DIP-18	Flash	20	1k	68	13	6.25	5.55
246895	PIC16F870-I/SP⊕	DIP-28	Flash	20	2k	128	22	4.35	3.05
246941	PIC16F872-I/SP	DIP-28	Flash	20	2k	128	22	3.65	3.48
246975	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.50
246991	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	7.39	6.00
193367	PIC16F876-20/SP⊕	DIP-28	Flash	20	256	368	22	6.79	4.85
247011	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	7.35	4.37
176882	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.29	8.05
247046	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.15	7.59
247038	PIC16F877A-I/P⊕	DIP-40	Flash	20	8k	368	33	7.25	5.29
247097	PIC16F87-I/P⊕	DIP-18	Flash	20	4k	368	16	3.39	3.15
312733	PIC16F88-I/P⊕	DIP-18	Flash	20	7k	368	16	4.15	3.05
248111	PIC18F1320-I/P⊕	DIP-18	Flash	40	4k	256	16	4.89	4.34
312303	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.89	7.98
247994	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.05	6.60
248049	PIC18F452-I/L⊕	PLCC-44	Flash	40	16k	1536	34	10.35	9.14
248031	PIC18F452-I/P⊕	DIP-40	Flash	40	16k	1536	34	8.85	7.59
248057	PIC18F458-I/P⊕	DIP-40	Flash	40	16k	1536	34	11.05	6.48
145040	PIC12C508A-04/P⊕	DIP-8	OTP	4	512	25	5	1.49	.99
144258	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09
128338	PIC16C54A-04/P⊕	DIP-18	OTP	4	512	25	12	2.25	2.02
193341	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	3.05	1.97
193359	PIC16C711-04/	DIP-18	OTP	4	1k	68	13	3.25	2.43

ATMEL Microcontrollers

For more Atmel Microcontrollers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	25
847391	ATMEGA8-16AU♻♠	TQFP-32	8-bit MCU 8kB flash, 23 I/O, 16MHz, I-temp	★	Call
847421	ATMEGA8-16PC♠	DIP-28	8-bit AVR® MCU, 8k flash, 23 I/O, 16MHz, C-temp	3.59	3.26
248330	ATMEGA8-16PI	DIP-28	8-bit MCU, 8kB flash, 16MHz, 23 I/O	5.05	4.05
323133	ATMEGA16-16PI	DIP-40	8-bit MCU, 16kB flash, 16MHz, 32 I/O, I-temp	6.25	3.91
847130	ATMEGA16L-8AC♠	TQFP-44	8-bit AVR® MCU, 16k flash, 32 I/O, 8MHz, C-temp	6.95	6.39
847164	ATMEGA16L-8AU♻♠	TQFP-44	8-bit AVR® MCU, 16k flash, 32 I/O, 8MHz, I-temp	6.39	5.78
1013743	ATMEGA16-16AI♠	TQFP-44	8-bit MCU 16kB flash, 32 I/O, 16MHz, I-temp	7.15	6.79
847041	ATMEGA16-16AU♻♠	TQFP-44	8-bit AVR® MCU, 16k flash, 32 I/O, 16MHz, I-temp	6.39	5.78
764617	ATMEGA16-16PI	DIP-40	8-bit AVR® MCU, 16k flash, 32 I/O, 16MHz, I-temp	7.59	7.08
847228	ATMEGA32L-8AU♻♠	TQFP-44	8-bit AVR® MCU, 32k flash, 32 I/O, 8MHz, I-temp	8.09	7.32
847199	ATMEGA32-16AU♻♠	TQFP-44	8-bit AVR® MCU, 32k flash, 32 I/O, 16MHz, I-temp	8.09	7.32
847252	ATMEGA48-20AU♻	TQFP-32	8-bit AVR® MCU, 8k flash, 23 I/O, 20MHz, I-temp	2.55	2.31
847332	ATMEGA64L-8AU♻♠	TQFP-64	8-bit AVR® MCU, 64k flash, 53 I/O, 8MHz, I-temp	11.75	10.61
847287	ATMEGA64-16AU♻♠	TQFP-64	8-bit AVR® MCU, 64k flash, 53 I/O, 16MHz, I-temp	11.75	10.61
1013621	ATMEGA128L-8AC♠	TQFP-64	8-bit MCU 128kB flash, 53 I/O, 8MHz, C-temp	16.69	15.85
1013663	ATMEGA128L-8AI♠	TQFP-64	8-bit MCU 128kB flash, 53 I/O, 8MHz, I-temp	16.69	15.85
846989	ATMEGA128L-8AU♻♠	TQFP-64	8-bit AVR® MCU, 128k flash, 53 I/O, 8MHz, I-temp	14.89	13.48

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DIP SOIC PLCC VQFP TQFP QFN

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Microcontrollers (Continued)

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Part No.	Product No.	Pkg.	Description	1	25
846954	ATMEGA128-16AU ♻♠	TQFP-64	8-bit AVR® MCU, 128k flash, 53 I/O, 16MHz, I-temp	$14.89	$13.48
764676	ATMEGA162V-8AU ♻♠	TQFP-44	8-bit AVR® MCU, 16k flash, 35 I/O, 8MHz, I-temp ..	5.95	5.34
764633	ATMEGA162-16AU ♻♠	TQFP-44	8-bit AVR® MCU, 16k flash, 35 I/O, 16MHz, I-temp	5.95	5.34
764932	ATMEGA8515L-8AU ♻♠	TQFP-44	8-bit AVR® MCU, 8k flash, 35 I/O, 8MHz, I-temp	5.09	4.62
764975	ATMEGA8515L-8JI♠	PLCC-44	8-bit AVR® MCU, 8k flash, 35 I/O,8MHz, I-temp	5.25	5.10
395621	ATMEGA8515L-8PC	DIP-40	8-bit MCU 8k flash, 35 I/O, 8MHz, C-temp ..	4.49	3.37
847455	ATMEGA8535L-8AU ♻♠	TQFP-44	8-bit AVR® MCU, 8k flash, 32 I/O, 8MHz, I-temp	5.49	4.99
765038	ATMEGA8535-16PC♠	DIP-40	8-bit AVR® MCU, 8k flash, 32 I/O, 16MHz, C-temp	7.05	6.51
248170	ATTINY12-8PC	DIP-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O	1.85	1.56
847658	ATTINY26L-8SU ♻♠	SOIC-20	8-bit AVR® MCU, 2k flash, 16 I/O, 8MHZ, I-temp	2.35	2.13
765417	ATTINY26-16SC♠	SOIC-20	8-bit AVR® MCU, 2k flash, 16 I/O, 16MHZ, C-temp	2.95	2.70
689039	ATTINY2313V-10PU ♻	DIP-20	8-bit MCU, 2kB flash, 10MHz, 18 I/O, I-temp	2.19	1.75
765409	ATTINY2313V-10SU ♻♠	SOIC-20	8-bit AVR® MCU, 2k flash, 18 I/O, 10MHz, I-temp ..	2.25	1.78
765370	ATTINY2313-20MU ♻♠	QFN-20	8-bit AVR® MCU, 2k flash, 18 I/O, 20MHz, I-temp	★	Call
1537061	ATTINY2313-20PU	DIP-20	8-bit AVR® MCU, 2k flash, 18 I/O, 20MHz, I-temp ..	2.25	2.03
847578	ATTINY2313-20SI	SOIC-20	8-bit AVR® MCU, 2k flash, 18 I/O, 20MHz, I-temp ..	2.09	1.91
847594	ATTINY2313-20SU ♻♠	SOIC-8	8-bit AVR® MCU, 2k flash, 18 I/O, 20MHz, I-temp ..	2.65	2.45
248217	ATTINY26-16PC	DIP-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O	2.05	1.23
323141	ATMEGA8515-16PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	4.59	3.40
168874	AT89C2051-24PC	DIP-20	8-bit MCU, 2kB flash, 24MHz, 15 I/O	2.29	1.70
204089	AT89C4051-24PC	DIP-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	2.15	1.78
168911	AT89C51-24JC	PLCC-44	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.55	4.07
168903	AT89C51-24PC	DIP-40	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.95	4.35
168920	AT89C52-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	3.45	2.85
763631	AT89C5131A-RDTIM♠	VQFP-64	8-bit flash MCU w/ full speed USB device, I-temp	★	Call
763681	AT89C51RD2-RLTIM♠	VQFP-44	8-bit flash MCU, four 8-bit I/O ports, I-temp ...	★	Call
763711	AT89C51SND1C-ROTIL♠✢	TQFP-80	Single chip flash MCU, 64k flash, I-temp	★	Call
355830	AT89S51-24PC⊕	DIP-40	8-bit MCU, 4kB flash, 33MHz, 32 I/O	2.09	1.58
763817	AT89S51-24PI♠	DIP-40	8-bit MCU, 4kB ISP flash, 32 I/O, 24MHz, I-temp	2.29	2.16
220871	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB flash, 33MHz, 32 I/O, I-temp	1.85	1.49
662637	AT89S52-24PC	DIP-40	8-bit MCU, 8kB programmable flash	2.15	1.62
168946	AT89C55WD-24PC	DIP-40	8-bit MCU, 20kB flash, 24MHz, 32 I/O	6.59	4.94
204097	AT89S8252-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	6.95	6.25
846006	AT89S8253-24AI♠	TQFP-44	8-bit MCU, 12kB flash, 32 I/O, 24MHz, I-temp	★	Call
763868	AT89S8253-24AU ♻♠	TQFP-44	8-bit MCU 12kB flash, 32 I/O, 24MHz, I-temp	★	Call
846031	AT89S8253-24JI♠	PLCC-44	8-bit MCU 12kB flash, 32 I/O, 24MHz, I-temp	5.55	5.29
846057	AT89S8253-24JU ♻♠	PLCC-44	8-bit MCU 12kB flash, 32 I/O, 24MHz, I-temp	4.89	4.43

✢ Single chip MCU w/ MP3 decoder and human interface

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Microcontrollers

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Part No.	Product No.	Pkg.	Description	1	10	100
699077	MSP430F169IPM ♻♠	QFP-64	60kB + 256B flash, 2kB RAM, 48 I/O	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

NXP / PHILIPS MCUs

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Part No.	Product No.	Pkg.	Description	1	10
917337	P80C32UFAA ♻♠	PLCC-44	128/256 byte RAM ROMless LV (2.7V-5.5V), LP, hi-speed (33MHz), I-temp	$2.25	$2.00
854719	P87C51FA-4A ♻♠	PLCC-64	8-bit, 8k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (16MHz)	7.55	7.03
854882	P87C51RD+4A ♻♠	PLCC-44	8-bit, 64k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (16MHz)	12.75	11.85
855050	P89C660HBBD ♻♠	LQFP-44	8-bit, 16kB ISP/IAP flash, 512B RAM, 20MHz - 33MHz ..	9.49	8.86
855252	P89V51RD2FA ♻♠	PLCC-44	8-bit, 5V LP, 64kB flash, 1kB RAM, I-temp	6.35	5.98
917687	PCF8583PN ♻	DIP-8	Clock calendar w/ 240 x 8 RAM	3.45	3.14
917716	PCF8583TD ♻	SOIC-8	Clock calendar w/ 240 x 8 RAM	2.19	2.13

intel 8-Bit MCU

For more Intel MCUs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10
876096	P80C31BH-1	DIP-40	CHMOS single chip 8-bit microcontroller	$2.39	$1.98

80C MCU Series

For more Dallas Semiconductor MCUs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10
114403	DS80C320-MCG	DIP-40	High speed LP micro	$12.09	$9.27

Digital Signal Processors

For more TI Digital Processors visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
700111	TMS320C25FNL♠	PLCC-68	544 RAM, 4k ROM/EPROM, 64k data/prog	$39.79	$36.33	$33.99
700154	TMS320C32PCM60♠	QFP-144	Enhanced 32-bit floating point proc. ...	39.59	37.55	33.07
700200	TMS320C6713BGDP225♣	BGA-272	Floating-point DSP	47.99	46.99	45.99
700234	TMS320F2811PBKA ♻♠	LQFP-128	Digital signal processor	27.99	26.69	25.99
700269	TMS320LF2406APZA ♻♠	LQFP-100	DSP controller	15.99	15.13	14.75
700285	TMS320VC33PGEA120 ♻♠	LQFP-144	32-bit floating point processor ..	23.99	23.27	22.69
700293	TMS320VC5402PGE100 ♻♠	LQFP-144	Fixed-point DSP	12.59	11.25	10.15
700331	TMS320VC5416PGE160 ♻♠	LQFP-144	Fixed-point DSP	49.95	48.65	47.39
700402	TMS32C6415EGLZ6E3♠	FCBGA-532	Fixed-point DSP	193.99	188.69	183.99

Z80 MPUs

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Part No.	Product No.	Pkg.	Description	1	10	100
35561	Z80♣	DIP-40	2.5MHz CPU (MK3880N/780C)	$1.65	$1.43	$1.31
35596	Z80A♣	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609	Z80A-CTC♣	DIP-28	4MHz counter timer circuit (MK3882-4)	2.19	1.97	1.75
35625	Z80A-DART♣	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19	2.89
35641	Z80A-PIO♣	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668	Z80A-SIO/0♣	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280428	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	10.05	7.57	5.13
35781	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.99	4.19	3.06
280516	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.35	3.05	2.28
61786	Z85C3008PS	DIP-40	Serial communications controller	4.99	4.57	3.92

♣ Pull = Extra Savings

6500 Series

Please Note: Manufacturer May Vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191	6502♣	DIP-40	CPU, 8-bit, 1MHz	$5.75	$4.89	$4.16
43166	65C02♣	DIP-40	CPU, 8-bit, 1MHz	5.95	4.45	3.10
43254	6522♣	DIP-40	Versatile interface adapter, 1MHz	4.05	3.25	2.95
43297	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318	6551	DIP-28	Asynch. comm. interface adapter, 1MHz ..	3.95	3.36	2.52

♣ Pull = Extra Savings

6800/68000 N-MOS

Please Note: Manufacturer May Vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481	6800♣	DIP-40	CPU, 8-bit, 5V, 2MHz	$6.95	$5.25	$3.65
43502	6802	DIP-40	CPU, 8-bit, 5V, 1MHz	9.85	8.87	7.99
43529	6803♣	DIP-40	CPU, 8-bit, 5V, 1MHz	7.79	6.99	6.29
43537	MC6808	DIP-40	CPU, 8-bit, 7V, 1MHz	7.65	6.50	5.53
43545	6809E♣	DIP-40	CPU, 8-bit, 7V, 1MHz	4.39	3.99	3.61
320590	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz	4.75	4.04	3.03
43561	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.55	3.18	2.87
43596	6821♣	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.59	3.25
43414	68B21♣	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49	4.05
43617	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25	1.99
43633	6850♣	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz ...	3.69	3.23	2.90
25304	MC68000L8♣	DIP-64	CPU, 16-bit, 7V, 8MHz	10.05	8.90	8.12
25291	MC68000L10♣	DIP-64	CPU, 16-bit, 7V, 10MHz	13.45	11.49	8.59
132484	MC68HC705C8$	DIP-40	MCU, 8-bit, 24 I/O, 4MHz.....	38.95	34.95	26.21
25363	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95	20.65
25371	MC68705U3S✣	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	26.95	22.94	20.65

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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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freescale 6800/68000 CMOS

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Part No.	Product No.	Pkg.	Description	1	10	100
961012	MC68332ACEH16	PQFP-132	32-bit CPU, SIM, TPU, QSM, 16MHz	$26.59	$25.90	$23.91
961047	MC68332ACEH20	PQFP-132	32-bit CPU, SIM, TPU, QSM, 20MHz	27.95	25.19	24.33
961071	MC68332ACEH25	PQFP-132	32-bit CPU, SIM, TPU, QSM, 25MHz	29.29	26.37	25.50
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	10.65	8.70	7.86
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.39	9.18	8.27
698710	MC68HC16Z1CEH16	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 16.78MHz	25.05	23.84	16.27
963878	MC68HC16Z1CEH25	PQFP-132	16-bit COU, 8/10-bit ADC, QSM, GPT	21.95	21.30	19.82
248647	MC68HC705C8ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz	8.35	6.15	5.80
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95	7.95
132530	MC68HC705J1ACP ⊕	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.79	2.52	2.39
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	18.99	16.40	15.30
248428	MC68HC908KX8CP	DIP-16	MCU, 8-bit, 13 IO, 8MHz	5.35	4.85	4.65

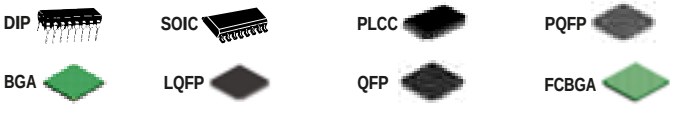
8000 N-MOS

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844	8031♣	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	$3.45	$3.15	$2.80
102197	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.59	3.25
51861	8035♣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.59	3.25
51959	8039♣	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	4.49	3.82	2.86
51983	8049♣*	DIP-40	CPU, 8-bit, 27 I/O, 6MH	3.09	2.74	2.49
51991	8051AP♣**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	5.49	4.99	4.49
52003	8052AH**	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	7.99	7.19	6.49
52046	8080A♣	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.25	4.62	4.20
52062	8085AH♣	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	5.69	5.12	4.55
52071	8085AH-2♣	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.99	4.49
52100	8086-2♣	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142	8088♣	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169	8088-2♣	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	5.95	5.39	4.85
34358	UPD70108-8♣	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290	8155	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.82	2.86
52302	8155-2♣	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	5.95	5.39	4.85
52468	8212♣	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52492	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581	8243♣	DIP-24	I/O expander	5.49	4.94	3.71
52644	8251✣	DIP-28	USART	2.99	2.69	2.39
52652	8251A♣	DIP-28	USART	4.09	3.80	3.49
52679	8253♣	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687	8253-5✣	DIP-24	Prog. interval timer, 2MHz	4.99	4.49	3.99
52708	8254♣	DIP-24	Prog. interval timer, 8MHz	4.79	4.27	3.84
52716	8254-2♣	DIP-24	Prog. interval timer, 8MHz	9.19	7.81	5.86
52724	8255♣	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732	8255A-5♣	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.05
291805	8255AC-5✣	DIP-40	CPU peripheral, 4MHz	4.89	4.39	2.89
52759	8256♣	DIP-40	UART	19.99	17.99	16.19
52775	8259♣	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783	8259-5♣	DIP-28	Prog. interrupt controller	2.49	2.19	1.99
52839	8279♣	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847	8279-5♣	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855	8282♣	DIP-20	Octal latch bus driver	5.69	4.84	3.63
52871	8284A♣	DIP-18	Clock generator/driver, 8MHz	4.69	4.19	3.77
52898	8286	DIP-20	Octal bus transceiver	4.09	3.73	3.38
52901	8287	DIP-20	Octal bus transceiver	10.19	9.26	6.95
699624	P82B96TD	SOIC-8	Dual bidirectional bus buffer	3.15	3.10	2.80
53014	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	12.15	10.37	9.14
53022	8748✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.89	14.32	12.66
53031	8748H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	17.69	16.11	14.44
53057	8749H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	24.39	20.67	16.92
53081	8751H✣	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	21.25	18.06	15.35

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM ♣ Pull = Extra Savings ✣ Refurbished = Backed by Jameco



NXP / PHILIPS 8000 CMOS

For more NXP/Philips 8000 CMOS visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
699552	P80C31SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	$2.25	$2.18	$1.85
699561	P80C32SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	2.15	1.84	1.52
699579	P80C32SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	2.69	2.62	2.54
699587	P80C32UBAA	PLCC-44	MCU, 8-bit, 32 I/O, 33MHz	2.15	2.09	2.03
699608	P80C552IBA	PLCC-68	MCU, 8-bit, 24MHz, 10-bit A/D	10.25	9.92	9.63
699641	P87C51RB+4A	PLCC-44	MCU, 8-bit, four 8-bit I/O, 16MHz	5.39	5.25	4.28
699667	P87C51SBPN	DIP-40	MCU, 8-bit, 32 I/O, 16MHz	3.45	3.24	2.80
699675	P87C52SBAA	PLCC-44	MCU, 8-bit, 32 I/O, 16MHz	3.19	3.01	2.52
699721	P87LPC764BD	SOIC-20	MCU, low-power, 4kbyte OTP	2.25	2.17	1.83

8000 CMOS

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51676	80C31♣	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	$2.99	$2.42	$1.45
108804	80C32-1♣	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	4.49	3.85	2.89
51692	80C39♣	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	3.59	3.23	2.91
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	32.75	29.47	26.51
51705	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	7.25	6.55	5.85
52193	81C55♣	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.59	3.19
52370	82C51A♣	DIP-28	USART	3.95	3.50	3.04
52388	82C53-5	DIP-24	Prog. interval timer, 8MHz	3.65	3.10	2.64
52396	82C54	DIP-24	Prog. interval timer, 8MHz	4.45	3.81	2.86
52409	82C54-2	DIP-24	Prog. interval timer, 10MHz	4.49	4.05	3.59
52417	82C55A	DIP-40	CPU peripheral, 5MHz	4.99	4.49	3.99
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz	4.59	4.07	3.56
52978	87C51✣	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	21.99	18.69	14.02
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	5.09	4.62	4.20

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intel Ethernet Controllers

For more Intel Ethernet Controllers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	5
875923	FW82546EB♠	BGA-364	Dual port Gigabit ethernet controller	$158.89	$151.21
875940	FW82546GB♠	BGA-364	Dual port Gigabit ethernet controller	163.39	155.56
876002	GD82559ER♠	BGA-196	Fast ethernet PCI controller	22.99	21.89
789241	GDLXT9785MBC.D0♠	BGA-196	8-port ethernet transceiver	26.20	24.95
789259	HL82571EB♠	FCBGA-256	PRO/1000 Gigabit ethernet controller	145.29	138.03
876061	NH82546GB♠	BGA-364	Dual port ethernet controller	155.59	147.81
789451	RC82540EM♠	TFBGA-196	Gigabit ethernet controller	43.65	41.47
876230	SLXT970AQC♠	QFP-64	10/100 BaseT ethernet trans.	15.59	14.81
876299	WJLXT971ALE.A4	LQFP-64	100 BaseTX ethernet transceiver	10.05	9.55
876301	WJLXT972MLC.A4♠	LQFP-64	3.3V ethernet transceiver	5.95	5.65
875886	FW21154AE♠	BGA-304	PCI-PCI bridge, 64-bit, 33MHz	63.99	60.79
875907	FW21154BE♠	BGA-304	PCI-PCI bridge, 64-bit, 66MHz	68.65	65.22
875860	DA82562ET♠	SSOP-48	10/100 Mbps platform LAN connect	9.89	9.39

ISD Voice Chips

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Single-Chip Voice Record/Playback Devices



107334

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Fully addressable to handle multiple messages
- On-chip automatic gain control (AGC) and clock source
- Typical 100k record cycles, 1µA standby current and 100 year message retention
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated
- 28-pin DIP

Part No.	Product No.	Description	1	10	50
107334	ISD1420P	Voice record/playback (20 sec.)	$9.95	$8.95	$7.95
120643	ISD2560P	Voice record/playback (60 sec.)	11.95	10.95	9.95
141655	ISD25120P	Voice record/playback (120 sec.)	12.95	11.65	10.49

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80C52-Basic Microcontroller

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz
- "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$32.75	$29.47	$26.51

50MIPS SX Microcontroller

Part No.	Parallax No.	Description	1	10	100
162931	SX28AC/DP⊕	DIP-28 50MIPS SX microcontroller	$4.99	$4.89	$4.79

BASIC Stamp

See page 177 for Serial LCD Modules



They are ideal for controller apps including robotics, radio-controlled interfaces of a digital camera, industrial pallet stackers, health monitoring systems, and much more. The BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices. It allows you to store data in the EEPROM before downloading a BASIC program.

- EEPROM: 2048 bytes
- Current draw @ 5V: 8mA run/100µA
- Microcontroller: PIC16C57
- Program speed: 4000/sec.
- Volts required: 5-15VDC
- # of I/O pins: 16 + 2 serial
- RAM: 32 bytes
- Size: 1.2"L x 0.6"W
- 24-pin DIP

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Part No.	Parallax No.	1	10
130892	BS2-IC⊕	$48.55	$43.56

50MHz BASIC Stamp 2SX Module



High-speed version of BS2-IC.

- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC

Part No.	Parallax No.	No. of I/O Pins	1	10
159775	BS2SX-IC 24-pin⊕	16 + 2 serial	$58.45	$52.57

BASIC Stamp 2P Modules



184911

In addition to the BS2-SX (below) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Program execution speed: 12,000 instructions/sec.
- EEPROM program size: 2k x 8, 4,000 instructions
- RAM size: 38 bytes (12 I/O, 26 variable)
- Voltage requirements: 5-12VDC
- Current draw @ 5V: 40mA run; 400µA sleep
- Scratch pad RAM: 128 bytes

Part No.	Parallax No.	No. of I/O Pins	1	10
184911	BS2P24-IC 24-pin⊕	16 + 2 serial	$78.25	$70.39
184920	BS2P40-IC 40-pin⊕	32 + 2 serial	88.15	79.30

EPROM Accessories

Part No.	Cross Ref.	Description	1	5
13864	CF2⊕	Conductive foam (12" x 24" x .25") hard black	$9.29	$8.35

Serial/Parallel EEPROMs

For more Catalyst EEPROMs visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Config.	Description	1	5	50
1847641	CAT24C02WI-G♻♠	SOIC-8	16 x 16	2kb CMOS serial, I-temp	✳	$.252	$.236
1848273	CAT93C46VI-G♻♠	SOIC-8	64 x 16	1kB microwire serial, I-temp	✳	.237	.222
1848345	CAT93C66L♻♠	PDIP-8	256 x 16	4kB microwire serial	✳	.466	.436
1847967	CAT28C256L-15♻♠	PDIP-28	32k x 8	150ns, 256k parallel, 5V, C-temp	6.58	6.14	5.76

OTP EPROMs

NEW

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1011351	AT27C256R-70PI♠	PDIP-28	32k x 8	256k, 70ns, 5V, I-temp.	$1.45	$1.27	$1.13
1011246	AT27C1024-70JI♠	PLCC-44	64k x 16	1M, 70ns, 5V, I-temp.	2.35	1.92	1.77

EPROMs

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
698331	M27C64A-20F1♻♠	DIP-28	8k x 8	200ns, 5V	$5.75	$5.07	$4.44
698349	M27C64A-20F6♻	DIP-28	8k x 8	200ns, 5V	3.69	3.59	3.49
698322	M27C64A-15F1♻	DIP-28	8k x 8	150ns, 5V	3.79	3.49	3.19
698111	M27C256B-15F1♻	DIP-28	32k x 8	150ns, 5V	2.29	2.11	1.99
698091	M27C256B-12F1♻	DIP-28	32k x 8	120ns, 5V	2.75	2.67	2.58
698103	M27C256B-12F6♻	DIP-28	32k x 8	120ns, 5V	3.09	2.68	2.45
1391171	M27C256B-10C6♠	PLCC-32	32k x 8	100ns, 5V (I-temp)	1.35	1.22	1.14
698082	M27C256B-10F1♻	DIP-28	32k x 8	100ns, 5V	3.09	2.68	2.61
698138	M27C256B-90F6♻	DIP-28	32k x 8	90ns, 5V	3.09	2.68	2.00
1391197	M27C256B-70C6♠	PLCC-32	32k x 8	70ns, 5V (I-temp)	1.35	1.22	1.14
698120	M27C256B-70XF1♻	DIP-28	32k x 8	70ns, 5V	3.59	3.30	3.02
1391306	M27C512-10C6♻♠	PLCC-32	64k x 8	100ns, 5V (I-temp)	1.59	1.36	1.27
698218	M27C512-10F1♻	DIP-28	64k x 8	100ns, 5V	2.85	2.67	2.55
698306	M27C512-90F1♻	DIP-28	64k x 8	90ns, 5V	2.39	2.33	2.26
698314	M27C512-90F6♻	DIP-28	64k x 8	90ns, 5V	2.39	2.33	2.26
698277	M27C512-70XF1♻♠	DIP-28	64k x 8	70ns, 5V	3.15	2.74	2.40
698251	M27C512-45XF1♻	DIP-28	64k x 8	45ns, 5V	4.89	4.56	4.17
698234	M27C512-15F1♻	DIP-28	64k x 8	150ns, 5V	3.39	3.17	2.88
698242	M27C512-15F6♻♠	DIP-28	64k x 8	150ns, 5V	3.25	2.74	2.14
698226	M27C512-12F1♻	DIP-28	64k x 8	120ns, 5V	2.85	2.67	2.55
697987	M27C1001-15F1♻	DIP-32	128k x 8	150ns, 5V	3.99	3.72	3.46
697961	M27C1001-12F1♻	DIP-32	128k x 8	120ns, 5V	3.79	3.31	3.23
697979	M27C1001-12F6♻♠	DIP-32	128k x 8	120ns, 5V	3.99	3.60	3.23
697944	M27C1001-10F1♻	DIP-32	128k x 8	100ns, 5V	3.79	3.67	3.54
394708	AC27C010-70PI	DIP-32	128k x 8	70ns, 5V, I-temp, OTP	1.49	1.40	1.33
698007	M27C1001-70F1♻	DIP-32	128k x 8	70ns, 5V	3.79	3.31	3.22
697995	M27C1001-45XF1♻♠	DIP-32	128k x 8	45ns, 5V	5.95	5.60	5.20
698058	M27C2001-15F1♻♠	DIP-32	256k x 8	150ns, 5V	5.25	4.75	4.23
698031	M27C2001-12F1♻	DIP-32	256k x 8	120ns, 5V	4.45	4.29	4.04
698040	M27C2001-12F6♻♠	DIP-32	256k x 8	120ns, 5V	4.89	4.79	4.43
698023	M27C2001-10F1♻	DIP-32	256k x 8	100ns, 5V	5.15	4.45	3.90
698066	M27C2001-70XF1♻♠	DIP-32	256k x 8	70ns, 5V	8.15	7.62	7.09
698197	M27C4002-10F1♻	DIP-40	256k x 8	100ns, 5V	9.49	8.93	8.36
698200	M27C4002-12F1♻	DIP-40	256k x 8	120ns, 5V	9.65	9.04	8.42
698171	M27C4001-15F1♻♠	DIP-32	512k x 8	150ns, 5V	6.05	5.44	4.84
698154	M27C4001-12F1♻♠	DIP-32	512k x 8	120ns, 5V	5.89	5.40	4.98
698162	M27C4001-12F6♻♠	PLCC-32	512k x 8	100ns, 5V (I-temp)	7.25	6.79	6.32
698146	M27C4001-10F1♻	DIP-32	512k x 8	100ns, 5V	7.25	6.57	5.91
698189	M27C4001-80XF1♻	DIP-32	512k x 8	80ns, 5V	6.05	5.51	5.47
698357	M27C801-100F1♻	DIP-32	1M x 8	100ns, 5V	6.75	6.20	5.75
698269	M27C512-70CS♻♠	PLCC-32	64k x 8	512-kbit, 5V, 70ns, OTP	1.69	1.42	1.19
698285	M27C512-90B6	DIP-28	64k x 8	512-kbit, 5V, 90ns, OTP	1.69	1.42	1.19
698015	M27C1001-10B1♻♠	DIP-32	128k x 8	1-Mbit, 5V, 100ns, OTP	2.59	2.34	1.94
697936	M27C2001-10B1	DIP-32	256k x 8	2-Mbit, 5V, 100ns, OTP	1.89	1.79	1.59
698365	M27W401-80K6♻♠	PLCC-32	512k x 8	2-Mbit, 5V, 100ns, OTP	4.05	3.56	3.12

EPROMs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909	2708✣	DIP-24	1k x 8	450ns, 5V	$5.99	$5.15	$3.83
33611	TMS2716✣	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002	2716✣	DIP-24	2k x 8	450ns, 5V	4.09	3.69	3.29
308662	2716A-2	DIP-24	2k x 8	200ns, 5V	5.19	4.41	3.75
40011	2716-1✣	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
265931	27C16-200	DIP-24	2k x 8	200ns, 5V	3.99	3.39	2.54
265965	27C16-150	DIP-24	2k x 8	150ns, 5V	6.15	5.20	3.90
40096	2732✣	DIP-24	4k x 8	450ns, 5V	7.39	6.25	4.78
39765	27C32✣	DIP-24	4k x 8	450ns, 5V	6.59	5.94	5.34
40133	2732A-45✣	DIP-24	4k x 8	450ns, 5V	3.99	3.69	3.29
33591	TMS2532✣	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
114876	2732B✣	DIP-24	4k x 8	450ns, 5V	4.19	3.79	3.39
40125	2732A-25✣	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109	2732A-20✣	DIP-24	4k x 8	200ns, 5V	6.49	5.99	5.49
265990	27C32-200	DIP-24	4k x 8	200ns, 5V	5.99	4.99	3.99
266001	27C32-150	DIP-24	4k x 8	150ns, 5V	6.99	5.99	4.99

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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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EPROMs (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
40205	2764-25✣	DIP-28	8k x 8	250ns, 5V	$4.75	$4.30	$3.85
40248	2764A-25✣	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845	27C64-25✣	DIP-28	8k x 8	250ns, 5V	4.05	3.65	3.40
40192	2764-20✣	DIP-28	8k x 8	200ns, 5V	5.59	5.08	4.55
40230	2764A-20✣	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608	27C64-20✣	DIP-28	8k x 8	200ns, 5V	4.15	3.60	3.44
39829	27C64-15✣	DIP-28	8k x 8	150ns, 5V	3.95	3.63	3.10
105304	27C64-12✣	DIP-28	8k x 8	120ns, 5V	3.29	2.98	2.71
266036	27C64-100	DIP-28	8k x 8	100ns, 5V	4.09	3.59	2.69
39933	27128-25✣	DIP-28	16k x 8	250ns, 5V	5.15	4.79	4.19
39984	27128A-25✣	DIP-28	16k x 8	250ns, 5V	4.59	4.17	3.76
39685	27C128-25✣	DIP-28	16k x 8	250ns, 5V	4.25	3.81	3.49
39968	27128A-20✣	DIP-28	16k x 8	200ns, 5V	4.39	3.90	3.54
101101	27C128-20✣	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950	27128A-15✣	DIP-28	16k x 8	150ns, 5V	4.05	3.60	3.25
39677	27C128-15✣	DIP-28	16k x 8	150ns, 5V	5.15	4.67	4.19
87935	27C128-12✣	DIP-28	16k x 8	120ns, 5V	4.89	4.16	3.14
266061	27C128-100	DIP-28	16k x 8	100ns, 5V	4.39	3.86	3.50
149665	27C128-70	DIP-28	16k x 8	70ns, 5V	4.89	4.16	3.12
40061	27256-25✣	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
39731	27C256-25✣	DIP-28	32k x 8	250ns, 5V	3.83	3.59	3.23
40045	27256-20✣	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722	27C256-20✣	DIP-28	32k x 8	200ns, 5V	3.11	2.99	2.63
40037	27256-15✣	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714	27C256-15✣	DIP-28	32k x 8	150ns, 5V	2.09	1.79	1.59
65904	27C256-12✣	DIP-28	32k x 8	120ns, 5V	2.09	1.99	1.79
112740	27C256-10✣	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
266079	27C256-55	DIP-28	32k x 8	55ns, 5V	4.15	3.93	3.18
39802	27C512-25✣	DIP-28	64k x 8	250ns, 5V	4.75	4.39	3.95
40150	27512-20✣	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790	27C512-20✣	DIP-28	64k x 8	200ns, 5V	3.71	3.47	3.11
39781	27C512-15✣	DIP-28	64k x 8	150ns, 5V	2.29	2.05	1.79
39773	27C512-12✣	DIP-28	64k x 8	120ns, 5V	2.15	2.04	1.69
131959	27C512-10✣	DIP-28	64k x 8	100ns, 5V	3.05	2.89	2.16
175206	27C512-90✣	DIP-28	64k x 8	90ns, 5V	1.85	1.76	1.66
203625	27C512-70	DIP-28	64k x 8	70ns, 5V	2.69	2.37	1.79
118148	27C1024-15	DIP-40	64k x 16	150ns, 5V	5.29	4.79	4.39
203641	27C1024-12	DIP-40	64k x 16	120ns, 5V	6.15	5.23	3.92
39669	27C010-20✣	DIP-32	128k x 8	200ns, 5V	2.09	1.87	1.54
39651	27C010-15✣	DIP-32	128k x 8	150ns, 5V	2.15	1.79	1.52
74624	27C010-12✣	DIP-32	128k x 8	120ns, 5V	1.99	1.90	1.70
79231	27C010-10✣	DIP-32	128k x 8	100ns, 5V	2.09	1.75	1.60
137699	27C010-80 ⊕ ✣	DIP-32	128k x 8	80ns, 5V	5.15	4.61	4.09
146149	27C010-70✣	DIP-32	128k x 8	70ns, 5V	2.49	2.29	2.09
266095	27C010-55	DIP-32	128k x 8	55ns, 5V	2.69	2.53	2.36
65699	27C020-15✣	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852	27C020-12✣	DIP-32	256k x 8	120ns, 5V	4.35	4.15	3.95
156267	27C020-10	DIP-32	256k x 8	100ns, 5V	2.85	2.65	2.18
127933	27C4096-12	DIP-40	256k x 16	120ns, 5V	6.95	5.95	5.35
85462	27C040-15✣	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293	27C040-12✣	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
111780	27C040-10✣	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.75
203676	27C040-80	DIP-32	512k x 8	80ns, 5V	5.29	5.24	5.19
266124	27C040-70	DIP-32	512k x 8	70ns, 5V	3.45	3.26	3.10
140003	27C080-12✣	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
156275	27C080-10✣	DIP-32	1M x 8	100ns, 5V	7.15	7.09	7.03
203684	27C080-90	DIP-32	1M x 8	90ns, 5V	10.85	10.15	7.61

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Non-Volatile SRAM

For more Catalyst SRAMs visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
1847781	CAT24C44LI♠	DIP-8	16 x 16	256-bit NV SRAM, I-temp	$2.29	$1.84	$1.72
1847772	CAT24C44L♠	DIP-8	16 x 16	256-bit NV SRAM, C-temp	2.29	1.84	1.72

OTP/PROMs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48717	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	$8.95	$8.05	$7.25
27844	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	11.39	10.92	10.38
48696	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	14.35	12.90	11.63
48805	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.09	2.95	2.80
27781	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.55	10.02	8.79
27810	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	8.95	8.05	7.25
27836	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	9.15	7.99	7.29
394986	AT27C256R-45PI ⊕	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	2.59	2.29	1.99
395081	AT27C512R-70PI	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	1.75	1.59	1.45
203692	27C512-12 OTP	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.09	1.78	1.33
394708	AT27C010-70PI	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.49	1.40	1.33

EEPROMs

Lower $$$

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
846313	AT93C46A-10SU-2.7♠	SOIC-8	64 x 16	3-wire serial, 2.7V - 5.5V, I-temp.	$.63	$.296	$.275
846348	AT93C46A-10TU-2.7♠	TSSOP-8	64 x 16	3-wire serial, 2.7V, I-temp.	★	Call	Call
846188	AT93C46-10PU-2.7*	DIP-8	128 x 8	3-wire serial, 2.7V - 5.5V, I-temp.	.63	.49	.353
846217	AT93C46-10SU-2.7♠*	SOIC-8	128 x 8	3-wire serial, 2.7V - 5.5V, I-temp.	.63	.49	.353
846241	AT93C46-10SU-2.7♠	SOIC-8	128 x 8	3-wire serial, 2.7V, I-temp.	★	Call	Call
844431	AT25010AN-10SU-2.7♠	SOIC-8	128 x 8	SPI serial, 2.7V, I-temp.	.83	.65	.464
846364	AT93C56A-10SU-2.7♠*	SOIC-8	256 x 8	3-wire serial, 2.7V - 5.5V, I-temp.	.73	.369	.345
844465	AT25020AN-10SU-2.7	SOIC-8	256 x 8	SPI serial, 2.7V, I-temp.	.83	.65	.464
843913	AT24C04-10PU-2.7♠	DIP-8	512 x 8	2-wrie serial, 2.7V, I-temp.	.75	.59	.419
843972	AT24C04AN-10SU-2.7♠	SOIC-8	512 x 8	2-wire serial, 2.7V, I-temp.	.73	.68	.418
846428	AT93C66A-10SU-2.7♠*	SOIC-8	512 x 8	3-wire serial, 2.7V - 5.5V, I-temp.	.79	.413	.386
844035	AT24C08AN-10SU-2.7♠	SOIC-8	1k x 8	2-wire serial, 2.7V, I-temp.	.81	.63	.453
844414	AT24HC02BN-10SU-1.8♠	SOIC-8	2k x 8	2-wire serial, 1.8V, I-temp.	.80	.61	.46
763964	AT93C86A-10SU-2.7♠*	SOIC-8	2k x 8	3-wire serial, 2.7V - 5.5V, I-temp.	.95	.531	.496
844561	AT25160AN-10SU-2.7♠	SOIC-8	2k x 8	SPI serial, 2.7V, I-temp.	.89	.74	.59
762638	AT28C64-12PC♠	DIP-28	8k x 8	Parallel, 5V, Com-temp.	★	Call	Call
762654	AT28C64-15PC♠	DIP-28	8k x 8	Parallel, 5V, Com-temp.	9.69	9.49	9.29
845100	AT28C64B-15JI♠	PLCC-32	8k x 8	Parallel, 5V, I-temp.	2.95	2.73	2.56
762486	AT25640A-10PU-2.7	DIP-8	8k x 8	SPI serial, 2.7V, I-temp.	1.50	1.26	1.01
844764	AT25640AN-10SU-2.7♠	SOIC-8	8k x 8	SPI serial, 2.7V, I-temp.	1.28	1.07	.85
844545	AT25128AN-10SU-2.7♠	SOIC-8	16k x 8	SPI serial, 2.7V, I-temp.	1.39	1.11	.83
844641	AT25256AN-10SU-2.7♠	SOIC-8	32k x 8	SPI serial, 2.7V, I-temp.	1.89	1.51	1.13
844713	AT25256AW-10SU-2.7♠	SOIC-8	32k x 8	SPI serial, 2.7V, I-temp.	1.89	1.51	1.13
845054	AT28C256-15PI	DIP-28	32k x 8	Paged parallel, 5V, I-temp.	11.99	11.75	11.39
762304	AT24C512-10PU-2.7	DIP-8✪	64k x 8	2-wire serial, 2.7V, I-temp.	2.75	2.21	1.83
844271	AT24C512N-10SU-2.7	SOIC-8	64k x 8	2-wire serial, 2.7V, I-temp.	2.35	1.87	1.40
843673	AT17LV128-10PC♠	DIP-8	128k x 1	128k-bit config eeprom mem., C-temp.	12.75	11.80	11.02
843702	AT17LV256-10PC♠	DIP-8	256k x 1	256k-bit config eeprom mem., C-temp.	13.35	12.39	11.57
843711	AT17LV512-10JC♠	PLCC-20	524k x 1	1-bit, serial, 3.3V & 5V System, Com. temp.	19.15	19.07	18.98
1009752	AT17LV010-10JI♠	PLCC-20	1M x 1	1M-bit config eeprom mem., I-temp.	29.65	28.16	26.76
762099	AT17F080-30JI♠	PLCC-20	8M x 1	Config flash, I-temp.	54.85	50.91	47.52

★ Please call or visit our website for minimum order quantity and pricing
* - x 16 when ORG pin is connected to Vcc ✪ Blue Part No. = Limited Quantity Available

EEPROMs

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✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
889989	M93C46-WMN6P	SO-8	128 x 8	2.5-5.5V, 1-kbit microwire serial	$.34	$.307	$.274
697864	M24C02-WMN6P♠	SO-8	256 x 8	2.5-5.5V, 2-kbit serial I²C bus	.71	.70	.63
697881	M24C04-WMN6P♠	SO-8	512 x 8	2.5-5.5V, 4-kbit serial I²C bus	.90	.79	.69
697901	M24C16-WMN6P♠	SO-8	2k x 8	2.5-5.5V, 16-kbit serial I²C bus	✳	.256	.237
1474101	M9526-WMN6TP	SO-8	32k x 8	2.5-5.5V, 256-kbit serial SPI bus	1.99	1.79	1.67

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212

Microchip EEPROM – Serial

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
695931	24LC64-I/P	DIP-8	8k x 8	5V, 400kHz	$.89	$.84	$.80
695957	24LC64-I/SN	SOIC-8	8k x 8	5V, 400kHz	.89	.86	.81
791113	24LC64-I/SNG	SOIC-8	8k x 8	64k I2C, 2.5V, I-temp.	.94	.85	.78
791130	24LC65-I/P	DIP-8	8k x 8	64k I2C Smart, 2.5V - 6V, 100/400KHz	2.49	2.33	2.14
695973	25LC640-I/SN	SOIC-8	8k x 8	5V, 2MHz	.99	.93	.89
791009	24LC128-I/P	DIP-8	16k x 8	128k I2C CMOS, 2.5V, I-temp.	1.21	1.20	1.19
695877	24LC256-I/SN	SOIC-8	32k x 8	5V, 400kHz	2.05	1.92	1.83

EEPROMs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	$.43	$.32	$.24
200598	93C66	DIP-8	256 x 16	3-wire Serial, 2-5V	.37	.34	.29
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.71	.57	.53
200547	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.79	.72	.65
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	1.18	1.00	.75
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.99	3.69	3.39
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V	7.15	6.45	5.85
200619	24C65	DIP-8	8k x 8	2-wire serial, 2-5V	2.59	2.05	1.92
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	4.45	3.80	3.65
40475	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.35	1.90	1.70
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	8.25	7.01	5.26
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	8.99	6.89	6.19
276832	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.15	2.08	1.91
276912	24C102	DIP-8	128k x 8	2-wire serial, 2.7-5V	6.65	5.18	4.77

Configuration Devices

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Part No.	Product No.	Pkg.	Description	Price
1721854	EPC1064PC8	DIP-8	65, 536 Memory bits, 5V, C-temp	$7.15
1721889	EPC1441LC20N	PLCC-20	440,800 Mem. bits, 5V or 3.3V, C-temp	4.55
1721897	EPC1441PC8	DIP-8	440,800 Mem. bits, 5V or 3.3V, C-temp	4.55
1721951	EPC1PI8N	DIP-8	1,046,496 Mem. bits, 5V or 3.3V, I-temp	20.09

Microchip PICDEM™ USB Demo Board



The PICDEM FS USB demonstration kit is designed as an easy-to-use evaluation platform for Microchip's full speed USB solution. The devices in Microchip's new family of USB microcontrollers fully support USB2.0 and serial communications of up to 12Mbits/s. This kit provides all of the hardware and software needed to demonstrate and develop a complete USB communication solution. The microcontroller for the PICDEM board is the PIC18F4550, the principal device of the PIC18F2455/2550/4455/4550 family. All of these devices implement power-saving nano-watt technology, enhanced flash program memory and feature USB modules with:

- Full-speed (12Mbit/s) and low-speed (1.5Mbit/s) operation
- Support of control, interrupt, bulk and isochronous transfers
- On-chip features for a true-single chip USB implementation
- 1kbyte of dual-access RAM for USB
- USB 2.0 compliance
- Interface for off-chip USB transceiver
- Support of up to 32 end points

Part No.	Product No.	Description	1	10	100
697207	DM163025	USB demo board	$91.09	$86.76	$82.63

Microchip PICkit™ 2 Microcontroller Starter Kit



The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICkit™ 2 microcontroller programmer, USB cable and CD ROM.

Part No.	Product No.	Description	1	10	100
697338	DV164120	Programmer starter kit	$75.95	$72.29	$68.86

NXP / PHILIPS Controller Interface

For more NXP Controller Interface visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
699780	PCA82C250N	DIP-8	CAN controller interface, 1 Mbaud	$1.89	$1.82	$1.75
699798	PCA82C250TD	SOIC-8	CAN controller interface, 1 Mbaud	1.55	1.51	1.47
699801	PCA82C251TD	SOIC-8	CAN transceiver for 24V systems	1.55	1.51	1.47

NXP / PHILIPS I²C & SMBus

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Part No.	Product No.	Pkg.	Description	1	10	100
917476	PCA9501PW	TSSOP-20	8-bit I²C SMBUS I/O port w/ interrupt, 2-kbit EEPROM	$1.99	$1.67	$1.47
699819	PCA9554D	SOIC-16	8-bit I²C SMBus I/O port w/ interrupt	1.59	1.55	1.50
699827	PCA9554PW	TSSOP-16	8-bit I²C SMBus I/O port w/ interrupt	1.59	1.54	1.50

Atmel Flash Memory – Data

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Part No.	Product No.	Pkg.	Description	1	10	100
845505	AT45DB011B-SC	SOIC-8	1M-bit, 2.7V, Com-temp.	$2.45	$2.09	$1.76
845556	AT45DB011B-SU	SOIC-8	1M-bit, 2.7V, I-temp.	1.37	1.10	.81
763518	AT45DCB002D	7DFI	2M-bit, 2.7V, I-temp.	8.95	8.49	8.07
845741	AT45DB642D-TU	TSOP-28	Dual interface , 64M-bit, 2.7V, I-temp	11.09	10.33	9.69

Atmel Flash Memory – SPI/ISP

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
844799	AT25F1024AN-10SJ-2.7	SOIC-8	128k x 8	SPI serial, 1M-bit, 2.7V, I-temp.	$1.55	$1.24	$1.00
844861	AT25F4096W-10SU-2.7	SOIC-8	512k x 8	SPI serial, 4M-bit, 2.7V, I-temp.	1.69	1.50	1.30

Atmel Flash Memory

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
845302	AT29C512-90JI	PLCC-32	64k x 8	90ns, 5V, I-temp.	$2.39	$2.19	$1.84
762953	AT29C010A-70JU	PLCC-32	128k x 8	70ns, 5V, I-temp.	2.59	2.26	1.89
845185	AT29C010A-90JC	PLCC-32	128k x 8	90ns, 5V, Com.-temp.	3.85	2.57	2.17
762970	AT29C010A-90JU	PLCC-32	128k x 8	90ns, 5V, I-temp.	2.95	2.36	1.89
845134	AT29C010A-12JC	PLCC-32	128k x 8	120ns, 5V, Com.-temp.	2.95	2.58	2.21
845361	AT29LV020-10JI	PLCC-32	256k x 8	100ns, 3.3V, I-temp.	6.99	6.65	6.30
763032	AT29C040A-15TC	TSOP-32	512k x 8	150ns, 5V, Com.-temp.	5.09	4.75	4.46

Spansion Page Mode Flash

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1913071	S29GL128N90TFIR20	TSOP-56	16M x 16	90ns, 128MB, 3.0VCC to 3.6VCC, I-temp	$13.65	$12.31	$11.55
1912811	S29GL032A90TFIR40	TSOP-48	2M x 16	90ns, 32MB, 3.0VCC to 3.6VCC bott boot, I-temp	3.65	3.28	3.08
1913311	S29GL512N11TFIV10	TSOP-56	32M x 16	110ns, 512MB, 1.65VIO to 3.6VIO, I-temp	26.45	23.82	22.35
1913274	S29GL512N11TAI010	TSOP-56	32M x 16	110ns, 512MB, 2.7VCC to 3.6VCC, I-temp	20.05	18.38	17.88
1913258	S29GL512N11FFIV10	FBGA-64	32M x 16	110ns, 512MB, 1.65VIO to 3.6VIO, I-temp	26.69	24.05	22.58
1913223	S29GL512N11FAI010	FBGA-64	32M x 16	110ns, 512MB, 2.7VCC to 3.6VCC, I-temp	20.25	19.15	18.06
1913151	S29GL256N11FFIV10	FBGA-64	16M x 16	110ns, 128MB, 1.65VIO to 3.6VIO, I-temp	19.65	17.72	16.63
1913012	S29GL128N11TFI020	TSOP-56	16M x 16	110ns, 128MB, 2.7VCC to 3.6VCC, I-temp	13.39	12.08	11.34
1912861	S29GL064A11TFIR40	TSOP-48	4M x 16	110ns, 64MB, 3.0VCC to 3.6VCC bott boot, I-temp	7.39	6.66	6.26
1912829	S29GL064A10TFIR20	TSOP-56	4M x 16	110ns, 64MB, 3.0VCC to 3.6VCC unifm sector, I-temp	7.39	6.66	6.25

Spansion 3V Boot Block Flash

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1839342	AM29LV065DU90REI	TSOP-48	8M x 8	90ns, 64MB, 3.0VIO to 5VIO unif sec, I-temp	$20.59	$18.53	$17.58
1839334	AM29LV065DU90REF	TSOP-48	8M x 8	90ns, 64MB, 3.0VIO to 5VIO unif sec, I-temp	20.59	18.53	17.58
1839326	AM29LV065DU120REI	TSOP-48	8M x 8	120ns, 64MB, 3.0VIO to 5VIO unif sec, I-temp	20.59	18.53	17.58
1912642	S29AL032D70TFI040	TSOP-48	4M x 8	70ns, 32MB, 2.7VCC to 3.6VCC bott boot, I-temp	4.19	3.43	3.16
1912626	S29AL032D70TAI000	TSOP-40	4M x 8	70ns, 32MB, 2.7VCC to 3.6VCC unif sec, I-temp	4.19	3.43	3.16
1912520	S29AL016D70TFI020	TSOP-48	2M x 8	70ns, 16MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.49	2.26	2.12
1912511	S29AL016D70TFI010	TSOP-48	2M x 8	70ns, 16MB, 2.7VCC to 3.6VCC top boot, I-temp	2.49	2.26	2.12
1912503	S29AL016D70TAI010	TSOP-48	2M x 8	70ns, 16MB, 2.7VCC to 3.6VCC top boot, I-temp	2.49	2.25	2.12
1912491	S29AL016D70BFI020	FBGA-48	2M x 8	70ns, 16MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.39	2.15	2.02
1912482	S29AL016D70BAI020	FBGA-48	2M x 8	70ns, 16MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.59	2.31	2.09
1912589	S29AL016D90TFI020	TSOP-48	2M x 8	90ns, 16MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.39	2.15	1.98

DIP SOIC PLCC TSSOP SO

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Flash Memory & RAM

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3V Boot Block Flash (Cont.)

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1912571	S29AL016D90TAI010♠	TSOP-48	2M x 8	90ns, 16MB, 2.7VCC to 3.6VCC top boot, I-temp	$2.49	$2.26	$2.12
1912394	S29AL008D55TFIR20♠	TSOP-48	1M x 8	55ns, 8MB, 3.0VCC to 3.6VCC bottom boot, I-temp	2.19	1.99	1.87
1912423	S29AL008D70TFI010♠	TSOP-48	1M x 8	70ns, 8MB, 2.7VCC to 3.6VCC top boot, I-temp	1.95	1.76	1.65
1912415	S29AL008D70TAI020♠	TSOP-48	1M x 8	70ns, 8MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.09	1.91	1.73
1838981	AM29LV008BB-70REI♠	TSOP-40	1M x 8	70ns, 8MB, 3.0VCC to 3.6VCC bott sec, I-temp	3.99	3.57	3.39
1839385	AM29LV081B-70EC♠	TSOP-40	1M x 8	70ns, 8MB, 2.7VCC to 3.6VCC unif sec, C-temp	3.85	3.48	3.29
1912474	S29AL008D90TFI010♠	TSOP-48	1M x 8	90ns, 8MB, 2.7VCC to 3.6VCC top boot, I-temp	1.89	1.66	1.43
1912466	S29AL008D90TAI020♠	TSOP-48	1M x 8	90ns, 8MB, 2.7VCC to 3.6VCC bott boot, I-temp	1.79	1.65	1.55
1912440	S29AL008D90BFI020♠	FBGA-48	1M x 8	90ns, 8MB, 2.7VCC to 3.6VCC bott boot, I-temp	1.95	1.76	1.65
1912431	S29AL008D90BAI020♠	FBGA-48	1M x 8	90ns, 8MB, 2.7VCC to 3.6VCC bott boot, I-temp	2.09	1.91	1.73
1838999	AM29LV008BB-90EC♠	TSOP-40	1M x 8	90ns, 8MB, 2.7VCC to 3.6VCC bott sec, C-temp	2.65	2.54	2.43
1839406	AM29LV081B-90EC♠	TSOP-40	1M x 8	90ns, 8MB, 2.7VCC to 2.6VCC unif sec, C-temp	3.59	3.25	3.08
1839369	AM29LV081B-120EF♠	TSOP-40	1M x 8	120ns 8MB, 2.7VCC to 3.6VCC unif sec, Ext temp	3.59	3.25	3.08
1839191	AM29LV040B-60RJC♠	PLCC-32	512k x 8	60ns, 4MB, 3.0VCC to 3.6VCC unif sec, C-temp	2.99	2.48	2.28
1912335	S29AL004D70TFI020♠	TSOP-48	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC bott boot, I-temp	1.79	1.62	1.46
1912327	S29AL004D70TAI020♠	TSOP-48	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC bott boot, I-temp	1.89	1.70	1.53
1839246	AM29LV040B-70JD♠	PLCC-32	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC unif sec, C-temp	3.19	2.90	2.75
1839238	AM29LV040B-70JC♠	PLCC-32	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC unif sec, C-temp	3.19	2.90	2.75
1839220	AM29LV040B-70EI♠	TSOP-32	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC unif sec, I-temp	3.35	3.02	2.86
1839203	AM29LV040B-70EC♠	TSOP-32	512k x 8	70ns, 4MB, 2.7VCC to 3.6VCC unif sec, C-temp	3.35	3.02	2.86
1912386	S29AL004D90TFI020♠	TSOP-48	512k x 8	90ns, 4MB, 2.7VCC to 3.6VCC bott boot, I-temp	1.49	1.36	1.28
1912360	S29AL004D90TAI010♠	TSOP-48	512k x 8	90ns, 4MB, 2.7VCC to 3.6VCC top boot, I-temp	1.65	1.48	1.33
1839300	AM29LV040B-90JI♠	PLCC-32	512k x 8	90ns, 4MB, 2.7VCC to 3.6VCC unif sec, I-temp	2.95	2.67	2.53
1839297	AM29LV040B-90JC♠	PLCC-32	512k x 8	90ns, 4MB, 2.7VCC to 3.6VCC unif sec, C-temp	2.95	2.67	2.53
1838921	AM29LV004BB-90EC♠	TSOP-40	512k x 8	90ns, 4MB, 3V bottom sector, C-temp	3.05	2.76	2.62
1839182	AM29LV040B-120JC♠	PLCC-32	512k x 8	120ns, 4MB, 2.7VCC to 3.6VCC unif sec, C-temp	2.95	2.67	2.53
1839449	AM29LV200BB-70EC♠	TSOP-48	256k x 8	70ns, 2MB, 2.7VCC to 3.6VCC bott sec, C-temp	2.49	2.28	2.15
1839115	AM29LV010B-70JC♠	PLCC-32	128k x 8	70ns, 1MB, 2.7VCC to 3.6VCC unif sec, C-temp	1.79	1.56	1.44

5V Boot Block Flash

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1838059	AM29F032B-90EI♠	TSOP-40	4M x 8	90ns, 32MB, 5V uniform sector, I-temp	$14.65	$14.17	$12.17
1838024	AM29F016D-90EC♠	TSOP-48	2M x 8	90ns, 16MB, 5V uniform sector, C-temp	4.95	4.62	4.28
1838008	AM29F016D-90E4C♠	TSOP-40	2M x 8	90ns, 16MB, 5V uniform sector, C-temp	7.79	7.54	6.49
1837937	AM29F016D-120EC♠	TSOP-48	2M x 8	120ns, 16MB. 5V uniform sector, C-temp	7.79	7.54	6.49
1838833	AM29F800BT-70EC♠	TSOP-48	1M x 8	70ns, 8MB, 5V top sector, C temp	5.69	5.49	4.71
277261	AM29F800BB-70EC♠	TSOP-48	1M x 8	70ns, 8MB, 5V bottom sector, C-temp	6.95	6.59	6.29
1838796	AM29F800BB-90SC♠	SOIC-44	1M x 8	90ns, 8MB, 5V bottom sector, C-temp	3.75	3.47	3.17
1838286	AM29F080B-90EI♠	TSOP-40	1M x 8	90ns, 8MB, 5V uniform sector, I-temp	4.45	4.32	3.70
1838534	AM29F400BB-55SI♠	SOIC-44	512k x 8	55ns, 4MB, 5V bottom sector, I-temp	4.95	4.77	4.37
1838155	AM29F040B-55JI♠	PLCC-32	512k x 8	55ns, 4MB, 5V uniform sector, I-temp	3.09	2.55	2.34
1838665	AM29F400BT-70EC♠	TSOP-48	512k x 8	70ns, 4MB, 5V bottom sector, C-temp	4.15	4.01	3.45
1838251	AM29F040B-90PC♠	PDIP-32	512k x 8	90ns, 4MB, 5V uniform sector, C-temp	3.75	3.60	3.10
1838235	AM29F040B-90JD♠	PLCC-32	512k x 8	90ns, 4MB, 5V uniform sector, C-temp	3.15	3.05	2.62
1838227	AM29F040B-90EI♠	TSOP-32	512k x 8	90ns, 4MB, 5V uniform sector, I-temp	3.15	3.05	2.62
1838631	AM29F400BB-90SI♠	SOIC-44	512k x 8	90ns, 4MB, 5V bottom sector, I-temp	4.29	4.16	3.57
1838614	AM29F400BB-90SC♠	SOIC-44	512k x 8	90ns, 4MB, 5V bottom sector, C-temp	4.29	4.16	3.57
1838593	AM29F400BB-90EC♠	TSOP-48	512k x 8	90ns, 4MB, 5V bottom sector, C-temp	2.75	2.57	2.35
1838104	AM29F040B-120JI♠	PLCC-32	512k x 8	120ns, 4MB, 5V uniform sector, I-temp	2.59	2.13	1.95
1838083	AM29F040B-120JD♠	PLCC-32	512k x 8	120ns, 4MB, 5V uniform sector, C-temp	3.15	3.05	2.62
1838331	AM29F200BB-70EC♠	TSOP-48	256k x 8	70ns, 2MB, 5V bottom sector, C-temp	3.25	3.12	2.67
1837726	AM29F010B-45JI♠	PLCC-32	128k x 8	45ns, 1MB, 5V uniform sector, I-temp	2.43	2.28	2.08
1837700	AM29F010B-45JC♠	PLCC-32	128k x 8	45ns, 1MB, 5V uniform sector, C-temp	2.85	2.34	2.14
1837777	AM29F010B-55PI♠	PDIP-32	128k x 8	55ns, 1MB, 5V uniform sector, I-temp	3.19	2.88	2.59
1837742	AM29F010B-55JI♠	PLCC-32	128k x 8	55ns, 1MB, 5V uniform sector, I-temp	2.49	2.04	1.86
1837857	AM29F010B-70PI♠	PDIP-32	128k x 8	70ns, 1MB, 5V uniform sector, I-temp	2.69	2.59	2.23
1837831	AM29F010B-70PD♠	PDIP-32	128k x 8	70ns, 1MB, 5V uniform sector, C-temp	2.69	2.59	2.23
1837822	AM29F010B-70PC♠	PDIP-32	128k x 8	70ns, 1MB, 5V uniform sector, C-temp	2.69	2.59	2.23
1837806	AM29F010B-70JI♠	PLCC-32	128k x 8	70ns, 1MB, 5V uniform sector, I-temp	2.45	1.99	1.83
1837785	AM29F010B-70JC♠	PLCC-32	128k x 8	70ns, 1MB, 5V uniform sector, C-temp	2.45	1.99	1.83
1837902	AM29F010B-90PC♠	PDIP-32	128k x 8	90ns, 1MB, 5V uniform sector, C-temp	2.45	2.37	2.04

5V Boot Block Flash (Cont.)

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1837890	AM29F010B-90JI♠	PLCC-32	128k x 8	90ns, 1MB, 5V uniform sector, I-temp	$2.69	$2.59	$2.23
1837873	AM29F010B-90JD♠	PLCC-32	128k x 8	90ns, 1MB, 5V uniform sector, C-temp	2.69	2.59	2.23
1837865	AM29F010B-90JC♠	PLCC-32	128k x 8	90ns, 1MB, 5V uniform sector, C-temp	2.49	2.04	1.87
1837671	AM29F010B-120PC♠	PDIP-32	128k x 8	120ns, 1MB, 5V uniform sector, C-temp	1.99	1.65	1.51
1837662	AM29F010B-120JI♠	PLCC-32	128k x 8	120ns, 1MB, 5V uniform sector, I-temp	2.65	2.59	2.23
1837646	AM29F010B-120JC♠	PLCC-32	128k x 8	120ns, 1MB, 5V uniform sector, C-temp	2.45	2.02	1.85
1837620	AM29F010B-120EC♠	TSOP-32	128k x 8	120ns, 1MB, 5V uniform sector, C-temp	2.69	2.59	2.23

Flash Memory

For more Spansion Flash Memory visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1839545	AM29LV641DH90REI♠	TSOP-48	4M x 16	90ns, 64MB, 3.0VIO to 5VIO unif sec high add, I-temp	$20.69	$18.65	$17.70
1839511	AM29LV640DU90RWHF♠	FBGA-63	4M x 16	90ns, 64MB, 3.0VIO to 5VIO unif sec, I-temp	20.75	18.65	17.70
1913397	S29PL032J70BAI120♠	FBGA-48	2M x 16	70ns, 32MB, 3.0VIO, I-temp	5.55	4.56	4.19

Flash Memory

For more ST Micro Flash Memory visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
811444	M29F040B70K6E	PLCC-32	512k x 8	70ns, 5V, uniform block	$2.45	$2.21	$1.99

Flash Memory

For more Renesas Flash Memory visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	5	50
788862	HD64F2168VTE33♠	TQFP-144	16-bit single chip microcomputer	$40.95	$38.27	$35.88
788897	HD64F2623FA20♠	QFP-100	16-bit single chip microcomputer	39.35	36.73	34.44
789099	HM62V8100LTTI-5SL♠	TSOP-44	16-bit single chip microcomputer	9.55	9.06	8.61

Flash Memory

For more Catalyst Flash Memory visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1848118	CAT28F020L-12♠	PDIP-32	256k x 8	120ns, 2MB, C-temp	$8.15	$7.97	$7.79
1848089	CAT28F020G-12♠	PLCC-32	256k x 8	120ns, 2MB, C-temp	8.15	7.96	7.79

Flash Memory

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	$5.49	$4.12	$3.66
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.65	3.15
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	5.35	4.34	3.61
242608	29F010-70⊕	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.88
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	9.55	8.58	7.74
242616	29F020-12	DIP-32	256k x 8	120ns, 5V	4.55	4.44	4.33
242659	29F040-120⊕	DIP-32	512k x 8	120ns, 5V	8.95	8.65	8.25
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	9.05	8.60	8.15

DDR/DDR2 SDRAM

For more Micron DDR SDRAM visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1441895	MT46H16M32LFCM-6 IT♠	VFBGA-90	16M x 32	166MHz, 6ns, I-temp	$24.35	$21.93	$19.74
1441991	MT46V16M16BG-6 IT:F♠	FBGA-60	16M x 16	333MHZ, 6ns, I-temp	16.69	15.02	13.52
1442038	MT46V16M16FG-6 IT:F♠	FBGA-60	16M x 16	333MHZ, 6ns, I-temp	14.95	14.21	13.53
1442062	MT46V16M16P-75:F♠	TSOP-66	16M x 16	266MHz, 7.5ns, C-temp	10.99	10.43	9.91
699122	MT46V16M16TG-6T:F	TSOP-66	16M x 16	333MHz, 6ns	7.09	6.99	6.89
1442169	MT46V32M16FN-6 IT:F♠	FBGA-60	32M x 16	333MHZ, 6ns, I-temp	29.09	27.64	26.26
699149	MT46V32M16FN-6:F♠	FBGA-60	32M x 16	333MHz, 6ns, C-temp	23.85	22.66	21.53
699181	MT46V32M16TG-6T IT:F♠	TSOP-66	32M x 16	333MHz, 6ns, I-temp	16.89	16.39	15.09
699202	MT46V32M16TG-6T:F	TSOP-66	32M x 16	333MHz, 6ns	15.95	15.14	14.38
1442257	MT46V64M16P-6T:A♠	TSOP-66	64M x 16	333MHz, 6ns, C-temp	228.95	217.51	206.63
1442396	MT47H16M16BG-5E IT:B♠	FBGA-84	16M x 16	400MHz, 5ns, I-temp (DDR2)	14.79	13.30	11.97
1442409	MT47H64M16BT-37E:A♠	FBGA-92	64M x 16	533MHz, 3.75ns (DDR2)	106.29	95.66	86.09



♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

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MICRON SDRAM

For more Micron SDRAM visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	5
1442601	MT48LC2M32B2P-6:G♻♠	TSOP-86	2M x 32	166MHz, 5ns, C-temp	$5.29	$5.21
699376	MT48LC2M32B2TG-7 IT:G♠	TSOP-86	2M x 32	143MHz, 7ns, I-temp	5.89	5.61
1442775	MT48LC4M16A2P-75 IT:G♻♠	TSOP-54	4M x 16	133MHz, 7.5ns, I-temp	5.05	4.79
1442804	MT48LC4M16A2P-7E:G♻♠	TSOP-54	4M x 16	133MHz, 7.5ns, C-temp	5.09	4.60
699456	MT48LC4M16A2TG-75 IT:G♠	TSOP-54	4M x 16	133MHz, 7.5ns, I-temp	5.89	5.61
699472	MT48LC4M16A2TG-75:G♠	TSOP-54	4M x 16	133MHz, 7.5ns, C-temp	4.15	3.92
699499	MT48LC4M16A2TG-7E:G♠	TSOP-54	4M x 16	133MHz, 7.5ns, C-temp	4.59	4.36
699237	MT48LC16M16A2FG-75 IT:D♠	FBGA-54	16M x 16	133MHz, 7.5ns, I-temp	14.45	13.71
699245	MT48LC16M16A2FG-75:D♠	FBGA-54	16M x 16	133MHz, 7.5ns, C-temp	12.35	11.73
792175	MT48LC16M16A2FG-7E:D♠	FBGA-54	16M x 16	133MHz, 7.5ns, C-temp	16.89	16.06
699253	MT48LC16M16A2P-75 IT:D♻♠	TSOP-54	16M x 16	133MHz, 7.5ns, I-temp	12.05	11.46
699261	MT48LC16M16A2P-75:D♻♠	TSOP-54	16M x 16	133MHz, 7.5ns, C-temp	10.69	10.17
699270	MT48LC16M16A2P-7E:D♻♠	TSOP-54	16M x 16	133MHz, 7.5ns, C-temp	10.69	10.17
699333	MT48LC16M16A2TG-7E:D♠	TSOP-54	16M x 16	133MHz, 7.5ns	10.69	10.17
699296	MT48LC16M16A2TG-75 IT:D♠	TSOP-54	16M x 16	133MHz, 7.5ns, I-temp	12.05	11.46
699317	MT48LC16M16A2TG-75:D♠	TSOP-54	16M x 16	133MHz, 7.5ns, C-temp	10.49	9.96
1442695	MT48LC32M16A2P-75:C♻♠	TSOP-54	32M x 16	100MHz, 6ns, I-temp	37.25	35.38

NVRAM with RTC

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
698429	M48T02-150PC1♻♠	DIP-24	2k x 8	5V, 150ns, 16kbit timekpr SRAM	$15.19	$13.52	$11.20
698445	M48T12-150PC1♻	DIP-24	2k x 8	5V, 150ns, 16kbit timekpr SRAM	15.95	14.65	11.09
698437	M48T08-150PC1♻	DIP-28	8k x 8	5V, 150ns, 64kbit timekpr SRAM	16.25	14.85	13.17
698461	M48T35AV-10MH1E♻♠	SOIC-28	32k x 8	3.3V, 10ns, 256kbit timekpr SRAM	14.35	13.94	13.54
698488	M48T35Y-70PC1♻♠	DIP-28	32k x 8	5V, 70ns, 256kbit timekpr SRAM	14.85	14.05	12.81

Legacy DRAM

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41662	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	$.85	$.77	$.70
41574	41464-10♣	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
42315	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	2.79	2.49	2.19
128688	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75
42219	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	3.09	2.80	2.52

♣ Pull = Extra Savings

Legacy Memory Modules

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Capacity	Description	Config.	Pins	1	10
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	$4.95	$3.95
148451	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	30.95	28.95

IDT Static RAM

For more IDT Static RAM visit www.Jameco.com

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1597988	7164L35P♠	DIP-28	8k x 8	35ns,LP, 64kbit, C-temp, 600 mill	$5.05	$4.53	$3.60
1598032	7164S35P♠	DIP-28	8k x 8	35ns, 64kbit, C-temp, 600 mill	4.79	4.33	3.60
1598972	71V256SA12Y♠	SOJ-28	32k x 8	3.3V, 12ns, 256kbit, C-temp, 300 mill	1.48	1.38	1.29
1597208	71256SA15Y♠	SOJ-28	32k x 8	15ns, 256kbit, C-temp, 300 mill	1.35	1.20	1.04
1597275	71256SA20Y♠	SOJ-28	32k x 8	20ns, 256kbit, C-temp, 300 mill	1.35	1.20	1.04
1597304	71256SA20YI♠	SOJ-28	32k x 8	20ns, 256kbit, I-temp, 300 mill	1.09	1.06	1.04
1597339	71256SA25Y♠	SOJ-28	32k x 8	25ns, 256kbit, C-temp, 300 mill	1.44	1.29	1.04
1597152	71256L35Y♠	SOJ-28	32k x 8	35ns, 256kbit, C-temp, LP, 300 mill	3.83	3.72	3.60
1598569	71V016SA10PH♠	TSOP-44	64k x 16	3.3V, 10ns, 1Mbit, C-temp, 400 mill	1.75	1.57	1.52
1598593	71V016SA12PH♠	TSOP-44	64k x 16	3.3V, 12ns, 1Mbit, C-temp, 400 mill	1.95	1.75	1.52
1598729	71V124SA12Y♠	SOJ-32	64k x 16	3.3V, 12ns, 1Mbit, C-temp, 400 mill	2.19	2.02	1.89
1596838	71016S15PH♠	TSOP-44	64k x 16	15ns, 1Mbit, C-temp, 400 mill	2.09	1.99	1.90
1596862	71016S15Y♠	SOJ-44	64k x 16	15ns, 1Mbit, C-temp, 400 mill	2.09	1.99	1.90
1596942	71024S15TY♠	SOJ-32	128k x 8	15ns, 1Mbit, C-temp, 300 mill	2.09	2.00	1.90
1596977	71024S15Y♠	SOJ-32	128k x 8	15ns, 1Mbit, C-temp, 400 mill	2.09	1.99	1.90
1597048	71024S20YI♠	SOJ-32	128k x 8	20ns, 1Mbit, I-temp, 400 mill	2.75	2.53	2.37
1600585	71V416L10PH♠	TSOP-44	256k x 16	3.3V LP, 10ns, 4Mbit, C-temp	4.69	4.21	3.84
1600665	71V416S10PH♠	TSOP-44	256k x 16	3.3V, 10ns, 4Mbit, C-temp	$4.89	$4.42	$3.84
1600690	71V416S12PH♠	TSOP-44	256k x 16	3.3V, 12ns, 4Mbit, C-temp	5.25	4.71	3.84
1600745	71V416S15PH♠	TSOP-44	256k x 16	3.3V, 15ns, 4Mbit, C-temp	5.49	5.12	4.80
1600825	71V416S15PHI♠	TSOP-44	256k x 16	3.3V, 15ns, 4Mbit, I-temp	5.69	5.28	4.95
1601086	71V424S10Y♠	SOJ-36	512k x 8	3.3V, 10ns, 4Mbit, C-temp, 400 mill	5.69	5.28	4.95

Static RAM

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
38931	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	$1.69	$1.55	$1.35
42198	5101♣	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19	6.49
38957	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.29	1.99	1.79
43238	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65	3.35
38973	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.09	1.89
38981	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05	1.85
38746	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.80	.73	.66
698517	M48Z02-200PC1♻♠	DIP-24	2k x 8	16-Kbit, 5V, 200ns, zero power	8.89	8.15	7.39
114260	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV SRAM	14.35	12.56	7.58
698509	M48Z02-150PC1♻	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power	8.95	8.15	7.39
698533	M48Z12-150PC1♻	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power	9.55	8.71	7.90
25911	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	8.69	7.43	5.57
42809	6116P-3♣	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29	1.09
42753	6116LP-3♣	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75	1.59
42796	6116P-2♣	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.59	1.39	1.29
42788	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.95	1.75	1.63
42737	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79	1.65
392294	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.95	3.55	3.19
85121	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.55	3.17	2.86
42884	6264LP-10♣	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.65	2.49	2.25
42921	6264P-10♣	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.65	2.09	2.03
698525	M48Z08-100PC1♻♠	DIP-28	8k x 8	64-Kbit, 5V, 100ns, zero power	13.95	12.90	9.75
42892	6264LP-12♣	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.99	2.66	2.34
42930	6264P-12♣	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.39	2.15
114278	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV SRAM	15.99	12.65	9.89
114307	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV SRAM	15.95	14.49	11.65
242333	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async.	3.29	2.80	2.10
177113	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV SRAM	15.75	14.60	11.75
114323	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV SRAM	20.25	17.10	10.25
41970	43256-10L♣	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	5.49	4.99	4.49
41988	43256-12L♣	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49	4.09
242376	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	1.99	1.69	1.27
75037	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99	2.69
82472	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.50	4.05
391793	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.85	2.42	1.82
391822	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80
391890	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.42	1.90
42876	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.29	2.66	2.13
42833	62256LP-10♣	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	3.20	2.40
42850	62256LP-12♣	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.89	3.49	3.19
693935	M5M5258P-35	DIP-24	64k x 4	256-Kbit, 5V, 35ns	1.95	1.75	1.59
391831	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.95	2.65	2.39
391996	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30	2.10
279873	628128S-70	SOP-32	128k x 8	1-Mbit, 5V, 70ns	2.49	2.19	1.89
131810	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	8.99	7.39	6.69
103982	628128LP-85♣	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	10.65	9.03	6.76
157358	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	19.19	17.15	16.35
280049	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Asynch.	6.29	5.69	5.12

♣ Pull = Extra Savings

ATMEL EEPLD

For more Atmel EEPLD visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
846743	ATF22V10C-15PC♠	PDIP-24	15ns, 12 inputs, 10 I/O, C-temp	$2.39	$1.61	$1.56

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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PALs and GALs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
28020	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	$2.25	$1.75	$1.31
652615	16V8-7	DIP-20	7ns 64 x 32 AND array	3.29	2.82	2.59
88399	16V8-10⊕*	DIP-20	10ns 64 x 32 AND array	1.99	1.79	1.59
37452	16V8-15⊕*	DIP-20	15ns 64 x 32 AND array	1.59	1.41	1.27
876475	GAL16V8D-15QJ	PLCC-20	15ns 64 x 32 AND array	2.45	1.96	1.68
37461	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.35	1.16	1.05
105953	18CV8P-25	DIP-20	25ns 74 x 36 AND array	2.69	2.39	2.15
88292	20V8-10⊕**	DIP-24	10ns 64 x 40 AND array	2.19	1.89	1.42
38658	20V8-15⊕**	DIP-24	15ns 64 x 40 AND array	1.85	1.27	1.15
105996	22CV10AP-25	DIP-24	25ns 132 x 44 AND array	2.59	2.35	2.05
123801	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49
39159	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.95	3.55
876951	GAL22V10D-15LP	DIP-24	15ns 132 x 44 AND array	7.25	6.50	5.92
39167	22V10-25	DIP-24	25ns 132 x 44 AND array	4.25	3.73	3.31

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

PEEL™ PLDs

Please Note: Manufacturer may vary

PEELs offer the convenience of simple and complex logic reprogrammability.

Part No.	Cross Ref.	Pkg.	Speed	Icc	Inputs	I/O	Vcc	Temp.†	1	10	100
105953	18CV8P-25	DIP-20	25ns	25mA	10	8	5	C	$2.69	$2.39	$2.15
105996	22CV10AP-25	DIP-24	25ns	5µA	12	10	5	C	2.59	2.35	2.05
315361	22CV10AP-7	DIP-24	7ns	50mA	12	10	5	C	4.29	3.19	3.10

† C = Commercial Temp. range: 0 to +70˚C

CPLDs

For more Altera CPLDs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	Temp.†	Price
1723112	EPM3032ATC44-7♠	TQFP-44	32 macrocells, 600 gates, 34 I/O	C	$1.89
1723139	EPM3032ATI44-10N♻♠	TQFP-44	32 macrocells, 600 gates, 34 I/O	I	1.89
1723606	EPM7032AELC44-10N♻♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 4.5ns	C	2.75
1723681	EPM7032LC44-6♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 6ns	C	47.85
1723690	EPM7032LC44-7♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 7ns	C	26.19
1723702	EPM7032LI44-10♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 10ns	I	22.45
1723711	EPM7032LI44-12♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 12ns	I	25.05
1723729	EPM7032QC44-10♠	PQFP-44	32 macrocells, 600 gates, 36 I/O, 10ns	C	21.55
1723737	EPM7032QC44-7♠	PQFP-44	32 macrocells, 600 gates, 36 I/O, 7ns	C	32.35
1723788	EPM7032SLI44-7♠	PLCC-44	32 macrocells, 600 gates, 36 I/O, 7ns	I	14.05
1723825	EPM7032STC44-5♠	TQFP-44	32 macrocells, 600 gates, 36 I/O, 5ns	C	26.59
1723180	EPM3064ATI100-10♠	TQFP-100	64 macrocells, 1,250 gates, 66 I/O	I	4.89
1723913	EPM7064AETC100-10♠	TQFP-100	64 macrocells, 1,250 gates, 68 I/O, 10ns	C	14.65
1723930	EPM7064AETC44-10N♻♠	TQFP-44	64 macrocells, 1,250 gates, 68 I/O, 10ns	C	9.85
1723964	EPM7064AETI44-7♠	TQFP-44	64 macrocells, 1,250 gates, 68 I/O, 7ns	I	42.15
1724027	EPM7064BTC44-3♠	TQFP-44	64 macrocells, 1,250 gates, 68 I/O, 3ns	C	38.15
1724078	EPM7064LC44-15♠	PLCC-44	64 macrocells, 1,250 gates, 68 I/O, 15ns	C	13.55
1724086	EPM7064LC68-15♠	PLCC-68	64 macrocells, 1,250 gates, 68 I/O, 15ns	C	26.19
1724094	EPM7064LC68-7♠	PLCC-68	64 macrocells, 1,250 gates, 68 I/O, 7ns	C	52.65
1724107	EPM7064LC84-10♠	PLCC-84	64 macrocells, 1,250 gates, 68 I/O, 10ns	C	45.55
1724158	EPM7064QC100-15♠	PQFP-100	64 macrocells, 1,250 gates, 68 I/O, 15ns	C	38.25
1724211	EPM7064SLC84-10N♻♠	PLCC-84	64 macrocells, 1,250 gates, 68 I/O, 10ns	C	19.79
1724300	EPM7064STC44-10N♻♠	TQFP-44	64 macrocells, 1,250 gates, 68 I/O, 10ns	C	9.75
1724326	EPM7064STC44-6♠	TQFP-44	64 macrocells, 1,250 gates, 68 I/O, 6ns	C	48.65
1724334	EPM7064STI100-7♠	TQFP-100	64 macrocells, 1,250 gates, 68 I/O, 7ns	I	67.45
1723235	EPM3128ATC100-7N♻♠	TQFP-100	128 macrocells, 2,500 gates, 98 I/O	C	15.25
1723251	EPM3128ATC144-7♠	TQFP-144	128 macrocells, 2,500 gates, 98 I/O	C	16.55
1724414	EPM7128AETI100-7♠	TQFP-100	128 maccells, 2,500 gates, 100 I/O, 7ns	I	103.09
1724529	EPM7128ELC84-20♠	PLCC-84	128 maccells, 2,500 gates, 100 I/O, 20ns	C	47.75
1724537	EPM7128EQC100-10♠	PQFP-100	128 maccells, 2,500 gates, 100 I/O, 10ns	C	107.65
1724609	EPM7128SLC84-7♠	PLCC-84	128 maccells, 2,500 gates, 100 I/O, 7ns	C	54.45

†C = 0° - 90°C I = -40°C - 105°C

CPLDs (Continued)

For more Altera CPLDs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	Temp.†	Price
1724650	EPM7128SQC100-15N♻♠	PQFP-100	128 maccells, 2,500 gates, 100 I/O, 15ns	C	$31.15
1724684	EPM7128SQI100-10♠	PQFP-100	128 maccells, 2,500 gates, 100 I/O, 10ns	I	68.75
1724713	EPM7128STC100-7N♻♠	TQFP-100	128 maccells, 2,500 gates, 100 I/O, 7ns	C	79.09
1724756	EPM7160ELI84-20♠	PLCC-84	160 maccells, 3,200 gates, 104 I/O, 20ns	I	114.89
1724895	EPM7192EGC160-20♻♠	PGA-160	192 maccells, 3,750 gates, 124 I/O, 20ns	C	296.89
1724941	EPM7192SQC160-15♠	PQFP-160	192 maccells, 3,750 gates, 124 I/O, 15ns	C	68.09
1722945	EPM240GF100C5N♠	FBGA-100	192 maccells, 8,192 UFM bits, 80 I/O, 4.7ns	C	11.05
1722953	EPM240GF100I5N♠	FBGA-100	192 maccells, 8,192 UFM bits, 80 I/O, 4.7ns	I	14.15
1722961	EPM240GM100C5N♠	MBGA-100	192 maccells, 8,192 UFM bits, 80 I/O, 4.7ns	C	10.89
1723059	EPM240T100C4N♻♠	TQFP-100	192 maccells, 8,192 UFM bits, 80 I/O, 4.7ns	C	13.89
1723331	EPM3256ATC144-7N♻♠	TQFP-144	256 maccells, 5,000 gates, 161 I/O	C	29.49
1725038	EPM7256AETC100-7♠	TQFP-100	256 maccells, 5,000 gates, 164 I/O, 7ns	C	103.75
1725097	EPM7256BFC256-7♠	FBGA-256	256 maccells, 5,000 gates, 164 I/O, 7ns	C	57.05
1725231	EPM7256SQC208-15♠	PQFP-208	256 maccells, 5,000 gates, 164 I/O, 7ns	C	90.75
1725249	EPM7256SRC208-7♠	RQFP-208	256 maccells, 5,000 gates, 164 I/O, 7ns	C	233.39
1723462	EPM570GM100I5N♠	MBGA-100	440 maccells, 8,192 UFM bits, 160 I/O, 5.4ns	I	24.25
1723551	EPM570T100C5♠	TQFP-100	440 maccells, 8,192 UFM bits, 160 I/O, 5.4ns	C	17.25
1723569	EPM570T100I5♠	TQFP-100	440 maccells, 8,192 UFM bits, 160 I/O, 5.4ns	I	24.25
1725337	EPM7512AETC144-7N♻♠	TQFP-144	512 maccells, 10,000 gates, 212 I/O, 7ns	C	350.05
1725433	EPM9560RI240-20♠	RQFP-240	560 maccells, 12,000 gates, 216 I/O, 20ns	I	436.95
1722726	EPM1270F256C3N♻♠	FBGA-256	980 maccells, 8,192 UFM bits, 212 I/O, 6.2ns	C	73.15
1722814	EPM1270T144C4♠	TQFP-144	980 maccells, 8,192 UFM bits, 212 I/O, 6.2ns	C	41.25
1722831	EPM1270T144I5♠	TQFP-144	980 maccells, 8,192 UFM bits, 212 I/O, 6.2ns	I	41.25
1722890	EPM2210F324C5NRR♠	BGA-324	1,700 maccells, 8,192 UFM bits,272 I/O, 7ns	C	63.55

†C = 0° - 90°C I = -40°C - 105°C

FLEX FPGAs

For more Altera Flex FPGAs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	Price
1721432	EP2C20F256I8♠	BGA-256	Cyclone II 239,616 RAM bits, 4 PLL's, 315 I/O pins, I-temp	$66.39
1722558	EPF6016TC144-2N♻♠	TQFP-144	ACEX 16,000 gates, 5V, 204 I/O pins, C-temp	43.45
1720587	EP1K50QC208-3♠	PQFP-208	FLEX 50,000 gates, 40,960 RAM bits, 249 I/O pins, C-temp	29.19
1722312	EPF10K30RC240-4♠	RQFP-240	FLEX 30,00 gates, 12,288 RAM bits, 246 I/O pins, C-temp	181.25

Texas Instruments 74AC/ACT Series

For more TI 74AC/ACT visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
912077	SN74ACT04D♻♠	SOIC-14	Hex inverters	✳	$.184	$.172
896134	CD74ACT05M♻	SOIC-14	Hex inv w/ open drain outputs, 1-temp	✳	.269	.254
912350	SN74ACT244PW♻♠	TSSOP-20	Octal buffers/drivers w/ 3-st. outputs	✳	.217	.205
912544	SN74ACT8990FN♻♠	PLCC-44	Test bus ctrl. IEEE std. 1149.1 tap masters	46.79	43.50	40.98
831154	SN74ACT8997DW♠	SOIC-28	Scan-path link w/ 4-bit ID bus scan ctrl. (JTAG)	12.99	12.08	11.38

ON Semiconductor 74AC/74ACT Series

For more ON Semi 74AC/ACT visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
795131	MC74ACT05D	SOIC-14	Hex inverter w/ open drain outputs	✳	$.175	$.157
966606	MC74AC245DWG♻	SOIC-20	Octal bi-directional trans w/ 3-st inputs/outputs	✳	.409	.368
795641	MC74ACT640NG♻	DIP-20	Octal 3-st inverting transceiver	2.05	1.73	1.56

Texas Instruments 74AHC Series

For more TI 74AHC visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
912739	SN74AHC125D♻♠	SOIC-14	Quad buffer gates w/ 3-st. outputs	✳	$.25	$.20
831509	SN74AHC1G125DBVT♻♠	SOT-23	Single bus buffer gate w/ 3-st. outputs	★	Call	Call
831621	SN74AHC595D♻♠	SOIC-16	8-bit shift registers w/ 3-st. output registers	✳	.362	.341
831402	SN74AHC16244DL♻♠	SSOP-48	16-bit buffers/drivers w/ 3-st. outputs	1.19	1.11	1.04

★ Please call or visit our website for minimum order quantity and pricing



♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Thousands of additional ICs are now available on our website.

Texas Instruments 74AHCT Series

For more TI 74AHCT visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
913328	SN74AHCT02D ♻ ♠	SOIC-14	Quad 2-input positive NOR gates	✳	$.135	$.126
831699	SN74AHCT125D ♻ ♠	SOIC-14	Quad bus buffer gates w/ 3-st. outputs	✳	.184	.172
832026	SN74AHCT541PW ♻ ♠	TSSOP-20	Octal buffers/drivers w/ 3-st. outputs	✳	.295	.275
832051	SN74AHCT573DW ♻ ♠	SOIC-20	Octal trans. D-type latches w/ 3-st. outputs	✳	.209	.195
913571	SN74AHCT16244DL ♻ ♠	SSOP-48	16-bit buffers/drivers w/ 3-st. outputs	1.55	1.45	1.36

IDT 49FCT Series

For more IDT 49FCT visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1699950	49FCT805ASO ♠	SOIC-20	Fast CMOS buffer/clock driver	$4.45	$4.16	$3.88
1699677	49FCT3805APY ♠	SOIC-20	3.3V CMOS buffer/clock driver	.79	.73	.69
1699714	49FCT3805AQ ♠	QSOIC-20	3.3V CMOS buffer/clock driver	.61	.57	.56
1699757	49FCT3805AQI ♠	QSOIC-20	3.3V CMOS buffer/clock driver I-temp	2.95	2.66	2.36
1699790	49FCT3805DQI ♠	QSOIC-20	3.3V CMOS dual 1-to-5 clock dvr, I-temp	1.89	1.80	1.73

Texas Instruments 74F Series

For more TI 74F visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
834902	SN74F00N ♻ ♠	DIP-14	Quad 2-input positive NAND gates	✳	$.221	$.206
834929	SN74F08D ♻ ♠	SOIC-14	Quad 2-input positive AND gates	✳	.196	.183
834945	SN74F109D ♻ ♠	SOIC-16	Dual J-K pos. edge-trig. F-F w/ clear & preset	✳	.221	.206

IDT 74FCT Series

For more IDT 74FCT visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
1608368	74FCT244ATQ ♠	QSOP-20	Octal buffer/line driver	$.71	$.66	$.60
1608392	74FCT244ATSO ♠	SOIC-20	Octal buffer/line driver	.70	.52	.39
1608536	74FCT245ATQ ♠	QSOP-20	Octal bi-directional transceiver	✳	.34	.31
1608561	74FCT245ATSO ♠	SOIC-20	Octal bi-directional transceiver	✳	.39	.35
1609361	74FCT3807APY ♠	SSOIC-20	3.3V CMOS 1-to-10 clock driver	.61	.58	.56
1609416	74FCT3807AQ ♠	QSOIC-20	3.3V CMOS 1-to-10 clock driver	.61	.58	.56
1606602	74FCT16244ATPA ♠	TSSOP-48	16-bit buffer/line driver	1.33	1.11	.89
1606637	74FCT16244ATPV ♠	SSOP-48	16-bit buffer/line driver	.68	.63	.61
1606661	74FCT16245ATPA ♠	TSSOP-48	16-bit bidirectional transceiver	1.33	1.11	.89
1606696	74FCT16245ATPV ♠	SSOP-48	16-bit bidirectional transceiver	.68	.63	.61
1609344	74FCT38075DCGI ♠	SOIC-8	3.3V CMOS 1-to-5 clock driver, I-temp.	3.95	3.65	3.42
1606215	74FCT162244ATPV ♠	SSOP-48	16-bit buffer/line driver	1.18	.99	.79
1606291	74FCT162245ATPV ♠	SSOP-48	16-bit bi-directional transceiver	1.02	.91	.70
1606506	74FCT162374ATPV ♠	SSOP-48	16-bit register, 3-st.	1.59	1.38	1.18
1607517	74FCT164245TPA ♠	TSSOP-48	16-bit bi-directional 3.3-5V translator	2.39	2.28	2.17
1607550	74FCT164245TPV ♠	SSOP-48	16-bit bi-directional 3.3-5V translator	2.39	2.28	2.17

Fairchild 74HC Series

For more Fairchild 74HC visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
871957	MM74HC00M ♻ ♠	SOIC-14	Quad 2-input NAND gate	✳	$.184	$.156
872095	MM74HC08M ♻ ♠	SOIC-14	Quad 2-input AND gate	✳	.184	.157
872298	MM74HC14M ♻ ♠	SOIC-14	Hex inverting Schmitt trigger	✳	.194	.166
873004	MM74HC74AM ♻ ♠	SOIC-14	Dual D-type flip-flop w/ preset & clear	✳	.202	.171
872141	MM74HC123AN ♻	DIP-16	Dual retriggerable monostable multivib	.51	.41	.31
872183	MM74HC132M ♻ ♠	SOIC-14	Quad 2-input NAND Schmitt trigger	✳	.216	.187
872351	MM74HC154N ♻ ♠	DIP-24	4-to-16 line decoder	.95	.75	.57
872511	MM74HC273N ♻	DIP-20	Octal D-type flip-flop w/ clear	.53	.399	.30
872538	MM74HC273WM ♻ ♠	SOIC-20	Octal D-type flip-flops w/ clear	✳	.304	.256
872571	MM74HC373N ♠	DIP-20	3-st octal D-type latch	✳	.34	.309
872597	MM74HC373WM ♻ ♠	SOIC-20	3-st. octal D-type latch	✳	.304	.259
872845	MM74HC541WM ♻ ♠	SOIC-20	Octal 3-st. buffer	✳	.309	.28
872706	MM74HC4051M ♻ ♠	SOIC-16	8-ch analog multiplexer	✳	.382	.325

NXP / PHILIPS 74HC Series

For more NXP 74HC visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
906291	74HC00D-T ♻	SOIC-14	Quad 2-input NAND gate, I-temp	✳	$.117	$.109
906371	74HC02D-T ♻ ♠	SOIC-14	Quad 2-input NOR gate	✳	.104	.094
906419	74HC02N ♻ ♠	DIP-14	Quad 2-input NOR gate	✳	.323	.291
906531	74HC04D-T ♻	SOIC-14	Hex inverter	✳	.416	.328
906574	74HC04N ♻ ♠	DIP-14	Hex Inverter	✳	.34	.24
906611	74HC08D-T ♻	SOIC-14	Quad 2-input AND gate, I-temp	✳	.406	.222
907411	74HC14N ♻ ♠	DIP-14	Hex inverting Schmitt trigger	✳	.357	.33
908799	74HC32D-T ♻	SOIC-14	Quad 2-input OR gate, I-temp	✳	.117	.109
908852	74HC32N ♻ ♠	DIP-14	Quad 2-input OR gate	✳	.348	.323
911533	74HC74N ♻ ♠	DIP-14	Dual D-type flip-flop w/ set & reset pos edge trigg	✳	.325	.293
906945	74HC125D-T ♻ ♠	SOIC-14	Quad buffer/line driver 3-st	✳	.11	.10
907163	74HC132N ♻ ♠	DIP-14	Quad 2-input NAND schmitt trigger	✳	.287	.23
907243	74HC138N ♻ ♠	DIP-16	3-to-8 line decoder/demux, inverting	✳	.355	.319
907286	74HC139D ♻ ♠	SOIC-16	Dual 2-to-4line decoder/demux	✳	.176	.156
845759	74HC160N ♻ ♠	DIP-16	Presettable sync. BCD contr, asyn. Reset	✳	.367	.344
907753	74HC165D ♻ ♠	SOIC-16	8-bit parallel-in/serial-out shift reg	✳	.325	.277
908191	74HC244D-T ♻ ♠	SOIC-20	Octal buffer/line driver 3-st	✳	.155	.14
908220	74HC244N ♻	DIP-20	Octal buffer/line drive 3-st	.65	.49	.368
910661	74HC541D ♻ ♠	SOIC-20	Octal buffer/line driver 3-st	.55	.41	.31
910750	74HC541N ♻ ♠	DIP-20	Octal buffer/line driver 3-st	✳	.368	.331
910821	74HC573D-T ♻ ♠	SOIC-20	Octal D-type transparent latch 3-st	✳	.185	.167
910995	74HC574N ♻ ♠	DIP-20	Octal D-type flip-flop pos edge trigg 3-st	.50	.37	.28
911103	74HC595D ♻ ♠	SOIC-16	8-bit shift reg 3-st	.59	.44	.333
911146	74HC595D-T ♻ ♠	SOIC-16	8-bit shift reg 3-st	✳	.39	.248
909548	74HC4040D ♻ ♠	SOIC-16	12-stage binary ripple counter	✳	.176	.161
909628	74HC4040N ♻	DIP-16	12-stage binary ripple counter, I-temp	.53	.392	.294
909716	74HC4051D ♻ ♠	SOIC-16	8-ch analog mux/demux	✳	.32	.297
909759	74HC4051D-T ♻ ♠	SOIC-16	8-ch analog mux/demux	✳	.206	.186
909871	74HC4052D ♻	SOIC-16	Dual channel analog mux/demux	.86	.67	.63
909978	74HC4053D ♻ ♠	SOIC-16	Triple 2-ch analog mux/demux	✳	.36	.325
907753	74HC4538D ♻ ♠	SOIC-16	Dual retrigg prec monostable multivibrator	✳	.325	.277

ON Semiconductor 74HC/HCT Series

For more ON Semi 74HC/HCT visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
873303	MC74HC00AD ♠	SOIC-14	Quad 2-input NAND gate	✳	$.248	$.208
969719	MC74HC00ADR2G ♻ ♠	SOIC-14	Quad 2-input NAND gate	✳	.176	.167
873338	MC74HC00AN	PDIP-14	Quad 2-input NAND gate	✳	.36	.26
970015	MC74HC04ADR2G ♻ ♠	SOIC-14	Hex Inverter	✳	.176	.167
873506	MC74HC04AN	DIP14	Hex inverter	✳	.246	.225
795739	MC74HC04ANG ♻ ♠	PDIP-14	Hex Inverter	✳	.309	.263
970074	MC74HC08ADG ♻ ♠	SOIC-14	Quad 2-input AND gate	✳	.154	.134
875421	MC74HCT14AD ♠	SOIC-14	Hex schmitt trig invert. w/ LSTTL comp inputs	✳	.278	.245
972328	MC74HC14ADR2G ♻ ♠	SOIC-14	Hex Schmitt trigger inverter	✳	.182	.173
873733	MC74HC138AD ♠	SOIC-16	1-of-8 decoder/demultiplexer	✳	.19	.167
795819	MC74HC138ANG ♻ ♠	PDIP-16	1-of-8 decoder/demultiplexer	✳	.299	.272
874189	MC74HC244AN ♠	PDIP-20	Octal 3-st non-invert buff/line driv/line rec.	.64	.60	.45
796011	MC74HC373ANG ♻ ♠	PDIP-20	Octal 3-st non-invert trans latch	.55	.451	.414
875000	MC74HC541AN	DIP-20	Octal 3-st non-inv buffer/line driv/line receiv.	.54	.44	.41
875026	MC74HC573ADW ♠	SOIC-20	Octal 3-st noninverting transparent latch	.52	.47	.42
983596	MC74HC595ADG ♻ ♠	SOIC-16	8-bit serial-input/serial or parallel output shft reg	✳	.295	.276
875237	MC74HC595AN	DIP-16	8-bit serial input/parall output shift reg w/ 3-st	.51	.35	.33
796184	MC74HC4053ADG ♻ ♠	SOIC-16	Analog multiplexers/demultiplexers	.61	.495	.446
874912	MC74HC4538AD ♠	SOIC-16	Dual prec. Monostable multivibrator	✳	.322	.296
874921	MC74HC4538AN ♠	PDIP-16	Dual prec. Monostable multivibrator	✳	.303	.288

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♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

74HC & 74HCT Standard Logic

RoHS RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of additional ICs are now available on our website.

Texas Instruments 74HC Series

For more TI 74HC visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
835201	SN74HC00D	SOIC-14	Quad 2-input positive NAND gates	✳	$.135	$.126
1318977	CD74HC00EE4	DIP-14	Hi spd CMOS logic quad 2-input NAND gate	✳	.321	.289
835219	SN74HC00N	DIP-14	Quad 2-input positive NAND gates	✳	.16	.149
914591	SN74HC03D ♠	SOIC-14	Quad 2-input pos. NAND w/ open-drain outputs	✳	.135	.126
835235	SN74HC04N	DIP-14	Hex inverters	✳	.16	.149
914671	SN74HC05D ♠	SOIC-14	Hex inverters w/ open-drain outputs	✳	.135	.126
914697	SN74HC05N ♠	DIP-14	Hex inverters w/ open-drain outputs	✳	.169	.159
250982	SN74HC07N ⊕	DIP-14	Hex Inverter	.26	.228	.21
896741	CD74HC08E	DIP-14	CMOS logic quad 2-input AND gate, I-temp	.52	.412	.309
835278	SN74HC10N ♠	DIP-14	Triple 3-input positive NAND gates	✳	.157	.148
835340	SN74HC14N	DIP-14	Hex schmitt-trigger inverters	✳	.16	.149
915403	SN74HC20D	SOIC-14	Dual 4-input positive NAND gates	✳	.135	.126
915438	SN74HC20N	DIP-14	Dual 4-input positive NAND gates	✳	.157	.148
835454	SN74HC21D ♠	SOIC-14	Dual 4-input positive AND gates	✳	.135	.126
915841	SN74HC27DR	SOIC-14	Triple 3-input positive OR gate	✳	.274	.206
915876	SN74HC27N	DIP-14	Triple 3-input positive NOR gates	✳	.157	.148
814670	SN74HC32D ♠	SOIC-14	Quad 2-input positive OR gates	✳	.135	.126
916220	SN74HC42D ♠	SOIC-16	4-to-10 line decoders	✳	.41	.387
814856	SN74HC42N ♠	DIP-16	4-to-10 line decoders	.65	.58	.546
898210	CD74HC74E	DIP-14	Dual D flip-flop w/ set/reset pos. edge trigg., I-temp	.52	.412	.309
815322	SN74HC74N	DIP-14	Dual D-type pos. edge-trig. F-F w/ clear & preset	✳	.157	.148
914814	SN74HC126D ♠	SOIC-14	Quad bus buffer gates w/ 3-st. outputs	✳	.157	.148
820711	CD74HC132E	DIP-14	CMOS logic quad 2-input NAND schmitt trig, I-temp	.71	.53	.40
835307	SN74HC132N ♠	DIP-14	Quad pos. NAND gates w/ schmitt-trigger inputs	✳	.196	.183
835315	SN74HC138N	DIP-16	3-to-8 line decoders/demultiplexers	✳	.196	.183
914953	SN74HC148D ♠	SOIC-16	8-to-3 line priority encoders	✳	.193	.182
914988	SN74HC148N	DIP-16	8-to-3 line priority encoders	✳	.217	.205
915032	SN74HC151D	SOIC-16	8-to-1 line data selectors/multiplexers	✳	.205	.193
915067	SN74HC153D ♠	SOIC-16	Dual 4-to-1 line data selector/multiplexers	✳	.193	.182
835374	SN74HC153N ♠	DIP-16	Dual 4-to-1 line data selector/multiplexers	✳	.216	.202
835382	SN74HC157N ♠	DIP-16	Quad 2-to-1 line data selector/multiplexers	✳	.205	.193
835403	SN74HC161N ♠	DIP-16	4-bit synchronous binary counters	✳	.212	.20
915219	SN74HC166D ♠	SOIC-16	8-bit parallel-load shift registers	✳	.196	.183
915278	SN74HC175D ♠	SOIC-16	Quad D-type F-F w/ clear	✳	.193	.182
915315	SN74HC175N	DIP-16	Quad D-type F-F w/ clear	✳	.216	.202
915340	SN74HC191D ♠	SOIC-16	4-bit synchronous up/down binary counters	✳	.221	.206
915374	SN74HC191N ♠	DIP-16	4-bit synchronous up/down binary counters	✳	.241	.227
835446	SN74HC193N ♠	DIP-16	4-bit synch. up/down counters (dual clock w/ clear)	✳	.246	.229
915497	SN74HC241DW ♠	SOIC-20	Octal buffers & line drivers w/ 3-st. outputs	✳	.265	.25
915526	SN74HC241N ♠	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	✳	.314	.296
835462	SN74HC244N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	✳	.241	.227
915551	SN74HC244PWR	TSSOP-20	Octal buffer & line driver w/ 3-st outputs	✳	.205	.193
835471	SN74HC245N	DIP-20	Octal bus transceivers w/ 3-st. outputs	✳	.265	.25
915649	SN74HC251D ♠	SOIC-16	Data slelector/multiplexer w/ 3-st. outputs	✳	.205	.193
915665	SN74HC251N ♠	DIP-16	Data slelector/multiplexer w/ 3-st. outputs	✳	.229	.216
915690	SN74HC257D ♠	SOIC-16	Quad 2-to-1 line data selectors/multi. w/ 3-st. outputs	✳	.205	.193
915729	SN74HC257N ♠	DIP-16	Quad 2-to-1 line data selectors/multi. w/ 3-st. outputs	✳	.241	.227
915753	SN74HC259D	SOIC-16	8-bit addressable latches	✳	.205	.193
915817	SN74HC259N	DIP-16	8-bit addressable latches	✳	.265	.25
835489	SN74HC273N	DIP-20	Octal D-type flip-flops w/ clear	✳	.241	.227
915930	SN74HC365D ♠	SOIC-16	Hex buffers & line drivers w/ 3-st	✳	.29	.273
821714	CD74HC366E	DIP-16	CMOS logic hex buffer/line drv. 3-st. non-inv, I-temp	.63	.55	.47
915964	SN74HC367N ♠	DIP-16	Hex buffers & line drivers w/ 3-st	✳	.29	.273
251475	SN74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O. (TI)	.49	.42	.38
916115	SN74HC377DW ♠	SOIC-20	Octal D-type flip-flops w/ clock enable	✳	.216	.202
897743	CD74HC393E	DIP-14	CMOS logic dual 4-stage binary counter, I-temp	.94	.71	.54
814776	SN74HC393N	DIP-14	Dual 4-bit binary counters	✳	.209	.195
814881	SN74HC540N ♠	DIP-20	Octal buffers/line drivers w/ 3-st	✳	.314	.296
814901	SN74HC541N ♠	DIP-20	Octal buffers/line drivers w/ 3-st	✳	.241	.227
814961	SN74HC573ADW ♠	SOIC-20	Octal transparent D-type latches w/ 3-st	✳	.246	.229

Texas Instruments 74HC Series (Cont.)

For more TI 74HC visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
814995	SN74HC573AN	DIP-20	Octal transparent D-type latches w/ 3-st	✳	$.278	$.262
815058	SN74HC594D ♠	SOIC-16	8-bit shift registers w/ output registers	.55	.483	.455
815103	SN74HC595D ♠	SOIC-16	8-bit shift registers w/ 3-st. output registers	✳	.314	.296
815138	SN74HC595N	DIP-16	8-bit shift registers w/ 3-st. output registers	✳	.338	.318
814821	SN74HC4040N ♠	DIP-16	12-bit asynchronous binary counters	✳	.241	.227
822063	CD74HC4060E ♠	DIP-16	CMOS logic 14-stage binary counter w/ oscillator	.52	.388	.291
822151	CD74HC4094E	DIP-16	CMOS logic 8-stage shift & store bus reg. 3-st., I-temp	✳	.329	.26
822303	CD74HC4511E	DIP-16	BCD-to-7 segment latch/decoder/driver	.78	.59	.44

74HC Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
45161	74HC00N	DIP-14	Quad 2-input NAND gate	$.27	$.228	$.168
45188	74HC02N	DIP-14	Quad 2-input NOR gate	.25	.208	.185
45209	74HC04N ⊕	DIP-14	Hex Inverter	.29	.203	.159
45225	74HC08N	DIP-14	Quad 2-input AND gate	.21	.174	.139
45233	74HC10N	DIP-14	Triple 3-input NAND gate	.39	.284	.215
45364	74HC14N ⊕	DIP-14	Hex Schmitt trigger inverter	.27	.228	.204
45794	74HC32N	DIP-14	Quad 2-input OR gate	.29	.252	.18
46130	74HC74N	DIP-14	Dual D-type pos. edge trig. F-F w/ clear & preset	.36	.33	.29
46181	74HC86N	DIP-14	Quad 2-input Exclusive OR gate	.26	.19	.17
45305	74HC125N	DIP-14	Quad bus buffer w/ 3-state outputs	.34	.288	.216
45330	74HC138N	DIP-16	3-to-8 decoder/demultiplexer	.33	.275	.255
45401	74HC154N	DIP-24	4-to-16 line decoder	.79	.71	.54
45487	74HC164N ⊕	DIP-14	8-bit parallel out serial shift register	.32	.288	.216
45495	74HC165N	DIP-16	8-bit parallel load shift register	.32	.28	.25
45541	74HC192	DIP-16	Presettable synch. 4-bit up/down counter	1.59	1.45	1.29
45655	74HC244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.45	.39	.35
45671	74HC245N	DIP-20	Octal bus trans. w/ 3-state outout	.45	.38	.29
45831	74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O.	.45	.39	.35
45858	74HC374N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. output	.35	.298	.26
109760	74HC540N	DIP-20	Octal buffer/line driver w/ 3-st. output	.37	.31	.277
46050	74HC541N	DIP-20	Octal buffer/line driver w/ 3-st. output NOR gate enabled	.37	.31	.24
46076	74HC573N	DIP-20	Octal transparent D-type latches w/ 3-st. output	.38	.312	.264
46084	74HC574N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. out. flow thru	.40	.324	.24
46105	74HC595N ⊕	DIP-16	8-bit shift reg. w/ 3-st. output register	.62	.44	.39
251643	SN74HC595N ⊕	DIP-16 ✪	8-bit shift registers w/ 3-st. output registers	.65	.48	.36
46113	74HC688N	DIP-20	8-bit indentity comparators	.53	.44	.35
45891	74HC4017	DIP-16	Decade ctr/div w/ decoded output	.50	.46	.428
88102	74HC4051N	DIP-16	8-channel analog multiplexer	.36	.282	.229
272129	74HC4053N	DIP-16	Triple 2-channel analog multiplexer	.45	.374	.258

✪ Blue Part No. = Limited Quantity Available

74HCT Series

For more Fairchild 74HCT visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
786541	MM74HCT08N	DIP-14	Quad 2-input AND gate	$.29	$.245	$.221

NXP / PHILIPS 74HCT Series

For more NXP 74HCT visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
911699	74HCT00N ♠	DIP-14	Quad 2-input NAND gate, I-temp	✳	$.325	$.293
911736	74HCT02N ♠	DIP-14	Quad 2-input NOR gate	✳	.325	.293
911779	74HCT04D-T ♠	SOIC-14	Hex inverter, I-temp	✳	.104	.093
911824	74HCT04N ♠	DIP-14	Hex inverter, I-temp	.50	.41	.28
911859	74HCT08N ♠	DIP-14	Quad 2-input AND gate, I-temp	✳	.335	.268
912296	74HCT14D-T	SOIC-14	Hex inverting schmitt trigger, I-temp	✳	.41	.325
912333	74HCT14N ♠	DIP-14	Hex inverting schmitt trigger, I-temp	.50	.41	.28
913299	74HCT32N ♠	DIP-14	Quad 2-input OR gate, I-temp	✳	.358	.295
912974	74HCT244N ♠	DIP-20	Octal buffer/line driver 3-st., I-temp	✳	.392	.352
913011	74HCT245D-T ♠	SOIC-20	Octal bus transceiver 3-st., I-temp	✳	.159	.143
913416	74HCT373N ♠	DIP-20	Octal D-type transparent latch 3-st., I-temp	✳	.40	.38
913475	74HCT374N ♠	DIP-20	Octal D-type flip-flop pos edge trigg 3-st	✳	.38	.359
914048	74HCT573N ♠	DIP-20	Octal D-type transparent latch 3-st, I-temp	.50	.373	.325

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Thousands of additional ICs are now available on our website.

ON Semiconductor 74HCT Series

For more ON Semi 74HCT visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
984038	MC74HCT244ADW2RG	SOIC-20	Octal 3-st non-inverting buffer/line driver	$.46	$.41	$.37

Texas Instruments 74HCT Series

For more TI 74HCT visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
815373	SN74HCT00D	SOIC-14	Quad 2-input positive NAND gates	✳	$.135	$.126
815402	SN74HCT00N	DIP-14	Quad 2-input positive NAND gates	✳	.169	.159
815437	SN74HCT04N	DIP-14	Hex inverters	✳	.157	.148
815461	SN74HCT244DW	SOIC-20	Octal buffers & line drivers w/ 3-st. outputs	✳	.209	.195
815496	SN74HCT245N	DIP-20	Octal bus transceivers w/ 3-st. outputs	✳	.265	.25
815550	SN74HCT373N	DIP-20	Octal transparent D-type latches w/ 3-st. outputs	✳	.29	.273
815576	SN74HCT374N	DIP-20	Octal edge-trig. D-type F-F w/ 3-st. outputs	✳	.29	.273
815592	SN74HCT574N	DIP-20	Octal edge-trig. D-type F-F w/ 3-st. outputs	✳	.314	.296
1332867	CD74HCT640EE4	DIP-20	CMOS logic octal 3-st bus transceiver, inv.	.86	.76	.65
916828	SN74HCT652NT	DIP-24	Octal bus trans./reg. w/ 3-st. outputs	1.29	1.20	1.13

74HCT Series

Please Note: Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44898	74HCT04N	DIP-14	Quad 2-input NOR gate	✳	$.158	$.118
44935	74HCT14N⊕	DIP-14	Hex Schmitt trigger inverter	.28	.24	.18
45137	74HCT74N	DIP-14	Dual D-type pos. edge trig F-F w/ clear & preset	.26	.224	.168
44927	74HCT138N⊕	DIP-16	3-to-8 decoder/demultiplexer	.33	.282	.212
63773	74HCT139N	DIP-16	2-to-4 decoder/demultiplexer	.36	.32	.249
45022	74HCT244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.31	.28	.25
45031	74HCT245N	DIP-20	Octal bus trans. w/ 3-state output	.65	.49	.37
45065	74HCT373N	DIP-20	Octal transparent D-type latch w/ 3-st. output	✳	.158	.12
45090	74HCT573N	DIP-20	Octal transparent D-type latch w/ 3-st. output	.40	.332	.227

Fairchild 74LCX Series (3.3V)

For more Fairchild 74LCX visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
869081	74LCX125MTC[1,2]	TSSOP-14	Quad buffer with 3-st.	✳	$.18	$.146
869312	74LCX16245MTD[1,3]	TSSOP-48	16-bit bidirectional transceiver	.70	.57	.444
869427	74LCX245MTC[1,3]	TSSOP-20	Bidirectional transceiver	✳	.18	.15

1 5V tolerant inputs and outputs 2 non-inverting 3 3-state outputs, non-inverting

ON Semiconductor 74LCX Series

For more ON Semi 74LCX visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
796723	MC74LCX04DTG[1]	TSSOP-14	Hex inverter	✳	$.245	$.221
796862	MC74LCX16373DTG[2,3]	TSSOP-48	16-bit transparent latch	1.49	1.35	1.20
796889	MC74LCX16374DT[2,3]	TSSOP-48	16-bit D-type flip-flops	1.21	.96	.72

1 with 5V tolerant inputs 2 with 5V tolerant inputs/outputs 3 3-state, non-inverting

IDT 74LVC Series

For more IDT 74LVC visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1611006	74LVC16245APA	TSSOP-48	3.3V CMOS 16-bit bus trans. w/ 3-st output, 5V input	$.68	$.63	$.61

NXP / Philips 74LVC Series

For more NXP 74LVC visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
914603	74LVC14AD-T	SOIC-14	Hex inverting schmitt trigger w/ 5V tolerant input	✳	$.114	$.104

Texas Instruments 74LV/LVC Series

For more TI 74LV/LVC visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
816755	SN74LV00AD	SOIC-14	Quad 2-input positive NAND gates	✳	$.147	$.137
917231	SN74LV14AD	SOIC-14	Hex Schmitt trigger inverters	✳	.172	.16

Texas Instruments 74LV/LVC Series (Continued)

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
917185	SN74LV125AD	SOIC-14	Quad bus buffer gates w/ 3-st. outputs	✳	$.196	$.183
917214	SN74LV138AD	SOIC-16	3-to-8 line decoder/demultiplexer	✳	.246	.229
917329	SN74LV244ADW	SOIC-20	Octal buffers/drivers w/ 3-st. outputs	✳	.27	.252
917572	SN74LVC04AD	SOIC-14	Hex inverter	✳	.37	.34
1043715	SN74LVC1G04DBVR	SOT-23	Single inverter gate	✳	.098	.088
918241	SN74LVC1G04DCKR	SC70	Single inverter gate	✳	.111	.10
817969	SN74LVC08AD	SOIC-14	Quad 2-input positive AND gates	✳	.147	.138
1029171	SN74LVC08APWR	TSSOP-14	Quad 2-input positive AND gates	✳	.147	.132
756490	SN74LVC1G08DBVR	SOT-23	Single 2-input positive AND gates	✳	.098	.088
756545	SN74LVC1G08DCKR	SC70	Single 2-input positive AND gates	✳	.108	.101
918031	SN74LVC14APWR	TSSOP-14	Hex xchmitt trigger inverter	✳	.143	.128
1044161	SN74LVC1G14DBVR	SOT-23	Single schmitt trigger inverter	✳	.098	.088
756668	SN74LVC1G14DCKR	SC70	Single schmitt trigger inverter	✳	.098	.088
756684	SN74LVC1G17DBVR	SOT-23	Single schmitt trigger buffer	✳	.102	.092
757337	SN74LVC32APWR	TSSOP-14	Quad 2-input positive OR gates	✳	.147	.128
1046748	SN74LVC2T45DCTR	SMB	Dual bit supply bus trans. w/ config volt trans., 3-st	✳	.345	.31
757572	SN74LVC74AD	SOIC-14	Dual pos edge trigg D-type F-F w/ clear & preset	✳	.382	.344
757599	SN74LVC74APWR	TSSOP-14	Dual pos edge trigg D-type F-F w/ clear & preset	✳	.147	.132
756588	SN74LVC1G125DBVR	SOT-23	Single bus buffer gate w/ 3-st outputs	✳	.111	.10
756609	SN74LVC1G125DCKR	SC70	Single bus buffer gate w/ 3-st outputs	✳	.111	.10
756975	SN74LVC244APW	TSSOP-20	Octal buffer/driver w/ 3-st outputs	✳	.323	.291
757396	SN74LVC4245ADW	SOIC-24	Octal bus transc. & 3.3V - 5.5V shifter w/ 3-st outputs	.88	.74	.59
757046	SN74LVC245APW	TSSOP-20	Octal bus transceiver w/ 3-st outputs	.58	.44	.33
757513	SN74LVC541APWR	TSSOP-20	Octal buffer/driver w/ 3-st outputs	✳	.229	.207
918153	SN74LVC16245ADGGR	TSSOP-48	16-bit bus transceiver w/ 3-st outputs	★	Call	Call
918188	SN74LVC16245ADL	SSOP-48	16-bit bus transceiver w/ 3-st outputs	.90	.81	.73

★ Please call or visit our website for minimum order quantity and pricing

Fairchild 74LVX (3.3V)

For more Fairchild 74LVX visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
869718	74LVX3245MTC	TSSOP-24	8-bit dual supply translating trans, w/ 3-st.	$1.13	$.94	$.75

ON Semiconductor 74LVX Series

For more ON Semi 74LVX visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
797064	MC74LVX4245DTG*	TSSOP-24	Dual supply octal translating trans	$1.19	$1.12	$.90

* 3-state outputs

Fairchild 74VHC Series

For more Fairchild 74VHC visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
869873	74VHC14M	SOIC-14	Hex schmitt inverter	✳	$.176	$.153

ON Semiconductor 74VHC Series

For more ON Semi 74VHC visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
797187	MC74VHC14D	SOIC-14	Hex schmitt inverter	✳	$.233	$.167
797161	MC74VHC138D	SOIC-16	3-to-8 line decoder	.60	.54	.363

Texas Instruments 74ALS Series

For more TI 74ALS visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	5	50
832675	SN74ALS151D	SOIC-16	1-of-8 data selector/multiplexers	$.88	$.71	$.67
832780	SN74ALS163BD	SOIC-16	Synch. 4-bit decade/binary counter	1.14	.97	.85
832974	SN74ALS240ADW	SOIC-20	Octal buffers/drivers w/ 3-st. outputs	.77	.69	.61
833432	SN74ALS645A-1DW	SOIC-20	Octal bus trans. w/ 3-st. outputs	2.89	2.75	2.29
833635	SN74ALS874BDW	SOIC-24	Dual 4-bit D-type edge-triggered F-F	3.15	2.92	2.75
971106	SN74ALS1035NE4	DIP-14	Hex non-inverting buffers w/ open collector outputs	1.00	.96	.91

DIP SOIC SOT TSSOP SC70

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Thousands of additional ICs are now available on our website.

Texas Instruments 74LS Series

For more TI 74LS visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
283725	SN74LS00N	DIP-14	Quad 2-input NAND gate	$.48	$.412	$.309
283741	SN74LS02N	DIP-14	Quad 2-input NOR gate	.48	.416	.347
815681	SN74LS03N ♠	DIP-14	Quad 2-input pos. AND gates w/ open-collector	.82	.71	.53
283792	SN74LS04N	DIP-14	Hex inverter	.48	.416	.347
916941	SN74LS05DR	SOIC-14	Hex inverter w/ open collector outputs	.47	.40	.30
295401	SN74LS08N	DIP-14	Quad 2-input AND gate	.47	.368	.312
295460	SN74LS14N	DIP-14	Hex inverter Schmitt trigger	.48	.41	.32
816149	SN74LS30N ♠	DIP-14	8-input positive NAND gates	✳	.35	.26
295515	SN74LS32N	DIP-14	Quad 2-input OR gate	.45	.386	.289
917062	SN74LS47D	SOIC-16	BCD-to-Seven segment decoders/drivers	1.89	1.75	1.43
295582	SN74LS47N	DIP-16	BCD-to-7 segment decoder/driver (O.C.)	.92	.69	.61
816536	SN74LS51N	DIP-14	AND-OR invert gates	.90	.78	.73
295726	SN74LS74AN	DIP-14	Dual D flip-flop	.51	.386	.289
295742	SN74LS85N	DIP-16	4-bit magnitude comparator	.61	.55	.479
295751	SN74LS86N	DIP-14	Quad EXCLUSIVE-OR gate	.47	.386	.29
295769	SN74LS90N	DIP-14	Decade counter	1.55	1.25	.94
295822	SN74LS93N	DIP-14	4-bit binary counter	1.26	1.07	.80
815736	SN74LS107AN ♠	DIP-14	Dual J-K flip-flops w/ clear	1.05	1.00	.94
300880	SN74LS123N	DIP-16	Dual mono. multivibrator w/ clear	.60	.50	.378
301233	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.62	.53	.40
917011	SN74LS156D ♠	SOIC-16	Dual 2-to-4 line decoders/demultiplexers	.86	.76	.65
815816	SN74LS156N	DIP-16	Dual 2-to-4 line decoders/demultiplexers	.59	.531	.50
917038	SN74LS158N	DIP-16	Quad 2-to-1 line data selectors/multiplexers	.66	.55	.49
301831	SN74LS193N	DIP-16	Binary up/down counter w/ clear	.79	.67	.54
301858	SN74LS194N	DIP-16	4-bit bi-directional shift register	1.23	1.04	.79
815921	SN74LS243N ♠	DIP-14	Quad bus transceivers	3.49	3.05	2.21
308312	SN74LS244N	DIP-20	Octal driver tri-state	.58	.50	.378
308321	SN74LS245N	DIP-20	Octal bus transceiver tri-state	.85	.65	.49
308460	SN74LS373N	DIP-20	Octal D flip-flop tri-state	.78	.59	.44
308478	SN74LS374N	DIP-20	Octal D flip-flop edge-trig. tri-state	.71	.60	.446
816288	SN74LS375N	DIP-16	4-bit bistable latches	.75	.70	.66
816421	SN74LS390N ♠	DIP-16	Dual 4-bit decade & binary counters	1.25	1.16	1.04
816641	SN74LS652DW	SOIC-24	Octal bus transceivers & registers	8.99	7.85	6.76
816675	SN74LS670N ♠	DIP-16	4-by-4 register files w/ 3-st. outputs	1.95	1.71	1.47
816376	SN74LS38D ♠	SOIC-14	Quad 2-input pos. NAND buffers w/ open-collector	.86	.76	.65

74LS Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
46252	74LS00N**	DIP-14	Quad 2-input NAND gate	$.41	$.349	$.24
46287	74LS02N**	DIP-14	Quad 2-input NOR gate	.45	.41	.34
46316	74LS04N**	DIP-14	Hex inverter	.41	.26	.23
46341	74LS05N*	DIP-14	Hex inverter (O.C.)	.41	.35	.265
46359	74LS06N	DIP-14	Hex inverter buffer/driver (O.C.)	.74	.62	.50
46367	74LS07N	DIP-14	Hex buffer/driver (O.C. hi-voltage)	.64	.57	.49
46375	74LS08N**	DIP-14	Quad 2-input AND gate	.37	.307	.23
46391	74LS09N	DIP-14	Quad 2-input AND gate (O.C.)	.46	.349	.265
46404	74LS10N*	DIP-14	Triple 3-input NAND gate	.46	.30	.276
46439	74LS11N*	DIP-14	Triple 3-input AND gate	.42	.312	.264
46640	74LS14N*	DIP-14	Hex inverter Schmitt trigger	.40	.349	.265
47095	74LS20N*	DIP-14	Dual 4-input NAND gate	.44	.317	.288
47108	74LS21N	DIP-14	Dual 4-input AND gate	.32	.269	.202
47378	74LS27N	DIP-14	Triple 3-input NOR gate	.28	.23	.18
47458	74LS30N*	DIP-14	8-input NAND gate	.28	.238	.179
47466	74LS32N**	DIP-14	Quad 2-input OR gate	.35	.312	.246
47773	74LS42N	DIP-14	BCD-to-decimal decoder/driver	1.01	.86	.65
47790	74LS47N*	DIP-16	BCD-to-7 segment decoder/driver (O.C.)	.94	.68	.59
47811	74LS48N	DIP-16	BCD-to-7 segment decoder/driver	4.99	4.24	3.18
47992	74LS73N*	DIP-14	Dual JK flip-flop w/ clear, center VCG/GND	1.03	.84	.64
48004	74LS74N**	DIP-14	Dual D flip-flop	.36	.25	.22
48021	74LS75N*	DIP-16	4-bit bi-stable latch	.86	.73	.66
48039	74LS76N	DIP-16	Dual JK flip-flop with preset & clear	.83	.68	.61
48063	74LS83N	DIP-16	4-bit binary full adder	1.95	1.71	1.54

*10 pcs. in 74LS series IC cabinet kit, top pg 15 **20 pcs. in 74LS series IC cabinet kit, top pg 15

74LS Series (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48071	74LS85N*	DIP-16	4-bit magnitude comparator	$.42	$.382	$.345
48098	74LS86N*	DIP-14	Quad EXCLUSIVE-OR gate	.37	.30	.22
48119	74LS90N*	DIP-14	Decade counter	.93	.81	.69
48143	74LS92N	DIP-14	Divide-by-12 counter	1.09	.93	.69
48151	74LS93N*	DIP-14	4-bit binary counter	.89	.79	.70
48178	74LS95N	DIP-14	4-bit parallel-access shift register	1.75	1.59	1.45
46412	74LS107N	DIP-14	Dual JK flip-flop with clear	.87	.62	.432
46421	74LS109N	DIP-16	Dual JK pos. edge-trig. flip-flop	.73	.56	.42
46447	74LS112N	DIP-16	Dual JK neg. edge-trig. flip-flop	.39	.299	.227
46471	74LS122N	DIP-14	Retrig. mono. multivibrator comm. CLK	.56	.42	.324
46480	74LS123N*	DIP-16	Dual mono. multivibrator with clear	.37	.319	.239
46501	74LS125N*	DIP-14	Quad bus buffer neg. enable tri-state	.36	.31	.233
46527	74LS126N	DIP-14	Quad bus buffer tri-state	.45	.414	.311
46551	74LS132N	DIP-14	Quad 2-input NAND Schmitt trigger	.40	.351	.302
46586	74LS136N	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)	.64	.48	.36
46607	74LS138N **	DIP-16	3-to-8 decoder/demultiplexer	.52	.423	.322
46623	74LS139N *	DIP-16	2-to-4 decoder/demultiplexer	.37	.291	.23
46666	74LS145N	DIP-16	BCD-to-decimal decoder/driver (O.C.)	.73	.55	.423
46682	74LS148N	DIP-16	8-to-3 priority encoder	.78	.65	.486
46703	74LS151N *	DIP-16	8-input multiplexer	.45	.349	.269
46720	74LS153N	DIP-16	Dual 4-to-1 selector/multiplexer	.45	.357	.344
46738	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	5.15	4.59	3.69
46754	74LS155N*	DIP-16	Dual 2/4 demultiplexer	.85	.72	.54
46771	74LS157N*	DIP-16	Quad 2/1 data selector	.54	.423	.319
46800	74LS160N	DIP-16	Decade counter with asynch. clear	2.59	2.49	2.39
46818	74LS161N	DIP-16	Synch 4-bit counter	.43	.366	.275
46842	74LS163N	DIP-16	Fully synch. 4-bit counter	.46	.349	.265
46851	74LS164N	DIP-14	8-bit serial shift register	.52	.43	.315
46877	74LS165N	DIP-16	8-bit serial shift register, parallel load	.41	.391	.31
46906	74LS169N	DIP-16	Synch. binary up/down counter	.61	.47	.35
46922	74LS173N	DIP-16	4-bit D-type reg. tri-state	.72	.61	.458
46931	74LS174N*	DIP-16	Hex D flip-flop with clear	.62	.57	.43
46957	74LS175N*	DIP-16	Quad D flip-flop with clear	.41	.39	.364
46973	74LS181N	DIP-24	Arithmetic logic unit/function gen.	2.58	2.16	1.47
46990	74LS190N	DIP-16	Synchronous up/down counter	2.95	2.65	2.55
47001	74LS191N	DIP-16	Up/down binary counter	.58	.49	.37
47010	74LS192N	DIP-16	Decade up/down counter w/ clear	3.49	3.05	2.85
47036	74LS193N*	DIP-16	Binary up/down counter w/ clear	.59	.49	.45
47052	74LS194N	DIP-16	4-bit bi-directional shift register	1.05	.90	.65
47124	74LS221N	DIP-16	Dual monostable multivibrator	.79	.71	.55
47141	74LS240N*	DIP-20	Octal invert. line driver tri-state	.61	.519	.389
47183	74LS244N*	DIP-20	Octal driver tri-state	.53	.444	.336
47212	74LS245N*	DIP-20	Octal bus transceiver tri-state	.64	.48	.416
47247	74LS247N	DIP-16	BCD to 7-segment decoder/driver (O.C.)	1.03	.88	.66
47327	74LS259N	DIP-16	8-bit addressable latch	.46	.357	.328
47360	74LS266N	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)	.69	.52	.395
47386	74LS273N*	DIP-20	Octal D-type flip-flop with clear	.73	.59	.446
47407	74LS279N	DIP-16	Quad set-rest latches	.50	.425	.319
47423	74LS283N	DIP-16	4-bit binary full add with fast carry	.53	.453	.35
47440	74LS299N	DIP-20	8-bit universal shift/storage register	1.59	1.35	1.01
47562	74LS367N	DIP-16	Hex buffer tri-state	.42	.357	.268
47600	74LS373N*	DIP-20	Octal D flip-flop tri-state	.64	.49	.39
47634	74LS374N*	DIP-20	Octal D flip-flop edge-trig. tri-state	.54	.465	.378
47669	74LS377N	DIP-20	Octal D register common enable	.43	.276	.207
47722	74LS390N	DIP-16	Dual 4-bit decade counter	.71	.61	.49
47731	74LS393N	DIP-14	Dual 4-bit binary counter	.69	.59	.44
47861	74LS540N	DIP-20	Octal invert. buffer/line driver tri-state	.99	.76	.63
47870	74LS541N	DIP-20	Octal buffer/line driver tri-state	.67	.57	.46
64418	74LS573N	DIP-20	Octal D-type flip-flop latch tri-state	2.05	1.85	1.55
64426	74LS574N	DIP-20	Octal D-type flip-flopedge-trig. tri-state	2.15	1.89	1.69
103974	74LS595N	DIP-16	8-bit serial-to-parallel shift reg. 3-state	5.25	4.46	3.35
47950	74LS645N	DIP-20	Octal bus transceiver tri-state (O.C.)	1.30	1.11	.83
47984	74LS688N	DIP-20	8-bit magnitude comparator	1.45	1.23	.92

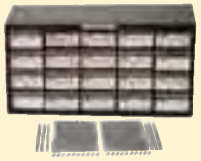
*10 pcs. in 74LS series IC cabinet kit, top pg 15 **20 pcs. in 74LS series IC cabinet kit, top pg 15

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

74LS Series IC Kit

SAVE $75



Includes:
20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961	420 pcs. 74LS IC kit	6.7	$135.55	$123.95
130391	Refill for 84961 (420 pcs.)	2.0	116.65	109.95

Tiny Logic® Series

For more Fairchild Tiny Logic visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
873661	NC7S04M5X♻♠	SOT-23/5	Single inverter	✳	$.072	$.065
873830	NC7SU04M5X♻	SOT-23/5	Single unbuffered inverter	✳	.137	.123
873725	NC7S08P5X♻	SC70/5	Single 2-input AND gate	✳	.098	.088
873741	NC7S14M5♻	SOT-23/5	Schmitt input inverter	.32	.285	.259
1011983	NC7S32P5X♻♠	SC70/5	Single 2-input OR gate	✳	.057	.05
787413	NC7ST04M5♻	SOT-23/5	Single inverter w/ TTL comp. inputs	✳	.284	.259
873944	NC7SZ04M5♻♠	SOT-23/5	Single inverter	★	Call	Call
873961	NC7SZ04M5X♻♠	SOT-23/5	Single inverter	✳	.072	.065
873987	NC7SZ04P5X♻♠	SC70/5	Single inverter	✳	.072	.065
874007	NC7SZ08M5♻♠	SOT-23/5	Single 2-input AND gate	★	Call	Call
874023	NC7SZ08M5X♻♠	SOT-23/5	Single 2-input AND gate	✳	.072	.065
874066	NC7SZ08P5♻♠	SC70/5	Single 2-input AND gate	★	Call	Call
874082	NC7SZ08P5X♻♠	SC70/5	Single 2-input AND gate	✳	.072	.065
874251	NC7SZ14M5♻♠	SOT-23/5	Single inverter w/ Schmitt trigger input	★	Call	Call
874429	NC7SZ32P5X♻♠	SC70/5	Single 2-input OR gate	✳	.057	.05
874461	NC7SZ74K8X♻♠	US8	D-type flip-flop w/ preset & clear	✳	.147	.133
874111	NC7SZ125M5♻♠	SOT-23/5	Buffer w/ 3-st. output	★	Call	Call
874138	NC7SZ125M5X♻	SOT-23/5	Buffer w/ 3-st. output	.21	.176	.158
874197	NC7SZ125P5X♻♠	SC70/5	Single buffer w/ 3-st. output	✳	.082	.074
874234	NC7SZ126P5X♻♠	SC70/5	Single buffer w/ 3-st. output	✳	.078	.068
874306	NC7SZ14M5X-NL♻♠	SOT-23/5	Singe inverter w/ Schmitt trigg input	✳	.057	.05
874349	NC7SZ14P5X♻♠	SC70/5	Single inverter w/ Schmitt trigg input	✳	.056	.05
874525	NC7WZ04P6X♻♠	SC70/6	Dual inverter	✳	.098	.086
874568	NC7WZ07P6X♻♠	SC70/6	Dual buffer w/ open drain outputs	✳	.101	.087
874630	NC7WZ16P6X♻♠	SC70/6	Dual buffer	✳	.097	.087

★ Please call or visit our website for minimum order quantity and pricing

ON Semiconductor ECL Logic Series

For more ON Semi ECL Logic visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
867229	MC10EL32D♠	SOIC-8	5V ECL ÷2 divider	$4.85	$4.58	$4.31
934727	MC10EP11D♠	SOIC-8	3.3V/5V ELC 1:2 differential fanout buffer	9.29	8.91	8.49
867501	MC10H116P♠	DIP-16	Triple line receiver	3.16	2.96	2.66
866488	MC100ELT21D♠	SOIC-8	5V diff. PECL to TTL translator	4.45	4.18	3.94
866681	MC100EP16D♠	SOIC-8	3.3V/5V ECL diff. receiver/driver	6.25	5.68	5.17
930507	MC100EPT22DTG♻♠	TSSOP-8	3.3V dual LVTTL/LVCMOS to diff LVPECL translator	7.65	7.25	6.89
930700	MC100EPT25DT♠	TSSOP-8	-3.3V / -5V diff. ECL to +3.3V LVTTL translator	7.85	7.25	6.89
866904	MC100LVEL29DW♠	SOIC-20	3.3V ECL dual diff. D-type F-F w/ set/clear	9.39	8.52	7.75
867042	MC100LVELT22DT♠	TSSOP-8	3.3V dual LVTTL/LVCMOS to diff. LVPECL translator	7.85	7.15	5.95

ON Semiconductor MC14000 Series

For more ON Semi MC14000 visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
867886	MC14001BCP♠	PDIP-14	Quad 2-input NOR gates	★	Call	Call
868029	MC14011BCP	PDIP-14	Quad 2-input NAND gate	.50	.382	.352
791754	MC14011BCPG♻	PDIP-14	Quad 2-input NAND gate	✳	.256	.215
868141	MC14013BCP	PDIP-14	Dual D-type flip-flop	.67	.53	.40
940967	MC14013BDG♻♠	SOIC-14	Dual D-type flip-flop	✳	.267	.228
868272	MC14016BCP	PDIP-14	Quad analog switch/multiplexer	✳	.284	.238

★ Please call or visit our website for minimum order quantity and pricing

ON Semiconductor MC14000 Series (Continued)

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
868301	MC14017BCP	PDIP-16	Decade counter	✳	$.317	$.287
791914	MC14017BCPG♻	PDIP-16	Decade counter	✳	.359	.303
868467	MC14023BCP	PDIP-14	Triple 3-input NAND gate	.28	.231	.212
868571	MC14027BCP	PDIP-16	Dual J-K flip-flop	✳	.34	.309
792036	MC14028BCP	PDIP-16	BCD-to- Decimal/Binary-to-Octal decoder	✳	.31	.262
792095	MC14040BCPG♻	PDIP-16	12-bit binary counter	✳	.372	.312
868715	MC14042BCP	PDIP-16	Quad transparent latch	✳	.425	.359
868740	MC14043BCP♠	PDIP-16	CMOS MSI quad R-S latches	★	Call	Call
868820	MC14046BCP	PDIP-16	Phase-locked loop	✳	.392	.363
868889	MC14049BCP♠	PDIP-16	Hex inverter/buffer	★	Call	Call
792141	MC14049BDG♻♠	SOIC-16	Hex inverter/buffer	✳	.327	.293
868942	MC14049UBCP	PDIP-16	Hex inverter/buffer	✳	.398	.343
869021	MC14050BCP	PDIP-16	Non-inverting hex buffer	✳	.368	.314
869072	MC14051BCP	PDIP-16	8-ch analog multiplexer/demultiplexer	.41	.37	.336
869101	MC14051BD	SOIC-16	8-ch multiplexer/demultiplexers	.45	.369	.333
869144	MC14052BCP	PDIP-16	Dual 4-ch analog multi/demultiplexer	✳	.402	.334
943957	MC14060BCPG♻♠	PDIP-16	14-bit binary counter & oscillator	.53	.446	.396
869355	MC14066BCP	PDIP-14	Quad analog switch/Quad multiplexer	✳	.347	.292
869380	MC14066BD♠	SOIC-14	Quad analog switch / quad mux	✳	.332	.249
869443	MC14067BCP	PDIP-14	16-ch analog multiplexer/demultiplexer	1.39	1.14	.92
792221	MC14069UBCPG♻	PDIP-14	Hex inverter	✳	.256	.215
869558	MC14070BCP	PDIP-14	CMOS SSI quad exclusiver OR gate	✳	.297	.275
792247	MC14070BCPG♻♠	PDIP-14	CMOS SSI quad exclusiver OR gate	✳	.279	.238
869671	MC14071BD♠	SOIC-14	Quad 2-input OR gate	✳	.263	.234
869697	MC14073BCP	PDIP-14	Triple 3-input AND gate	✳	.333	.299
869751	MC14077BD♠	SOIC-14	CMOS SSI quad exclusive NOR gate	✳	.297	.24
869785	MC14081BCP♠	PDIP-14	Quad 2-input AND gate	★	Call	Call
945047	MC14081BDG♻♠	SOIC-14	Quad 2-input AND gate	✳	.261	.231
792301	MC14093BCPG♻	PDIP-14	Quad 2-input NAND schmitt trigger	✳	.233	.199
792360	MC14106BCPG♻♠	PDIP-14	Hex schmitt trigger	✳	.353	.304
870137	MC14175BCP	PDIP-16	Quad type D flip-flop	✳	.351	.296
792440	MC14489BPE♻	DIP-20	Multi-character LED display/lamp drvr	3.69	3.40	3.10
945830	MC14490PG♻♠	PDIP-16	Hex contact bounce eliminator	5.05	4.65	4.14
946189	MC14504BCPG♻♠	PDIP-16	Hex level shifter for TTL-CMOS or CMOS-CMOS	1.05	.85	.63
792474	MC14511BCPG♻	PDIP-16	BCD-to-7 seg latch/decoder/driver	.56	.49	.422
792511	MC14514BCP	PDIP-24	4-bit transparent latch/4-to-16 line dec	1.69	1.54	1.22
792554	MC14521BDG♻	SOIC-16	24-stage frequency counter	.50	.444	.40
947026	MC14528BCPG♻♠	PDIP-16	Dual monostable multivibrator	.54	.49	.43
870436	MC14536BCP♠	PDIP-16	Programmable timer	✳	.434	.412
870495	MC14538BCPG♻	PDIP-16	Dual prec rettrig/reset mono multi	.51	.453	.382
870591	MC14543BCP	PDIP-16	BCD-to-7 seg latch/dec./driver for LCD	.52	.453	.386
947982	MC14553BCPG♻	DIP-16	3-digit BCD decoder	7.85	7.15	5.95
870671	MC14557BCP♠	PDIP-16	1-to-64 bit variable lgth shift register	1.08	.96	.88
792714	MC14572UBCP	PDIP-16	Hex gate	✳	.28	.25
870735	MC14584BCP	PDIP-14	Hex Schmitt trigger	✳	.324	.272
792757	MC14584BCPG♻	PDIP-14	Hex Schmitt trigger	✳	.324	.272
870778	MC14584BDG♻♠	SOIC-14	Hex Schmitt trigger	✳	.223	.188

★ Please call or visit our website for minimum order quantity and pricing

NXP / PHILIPS 4000 Series

For more NXP 4000 Series visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
916844	HEF40106BPN♻	DIP-14	Hex inverting Schmitt trigger	✳	$.151	$.142
917169	HEF4538BTD♻	SOIC-16	Dual precision monostable multivibrator	✳	.239	.22

DIP  SOIC  SC70  SOT  TSSOP 

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♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Thousands of additional ICs are now available on our website.

4000 Series

For more Fairchild 4000 Series visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
870241	CD4001BCM♻♠	SOIC-14	Quad 2-input NOR buffered B series gates	✳	$.235	$.211
785063	CD4001BCN♻	DIP-14	Quad 2-input NOR buffered B series gates	✳	.363	.318
870330	CD4011BCM♻♠	SOIC-14	Quad 2-input NAND buffered B series gates	✳	.198	.169
870372	CD4013BCM♻	SOIC-14	Dual D-type flip-flop	✳	.245	.221
870410	CD4013BCN♻	DIP-14	Dual D-type flip-flop	✳	.353	.318
870567	CD4051BCM♻♠	SOIC-16	Single 8-ch analog mux/demux	✳	.339	.289
870583	CD4051BCN♻	DIP-16	Single 8-ch analog mux/demux	.58	.44	.33
870604	CD4052BCM♻♠	SOIC-16	Dual 4-ch analog mux/demux	✳	.335	.286
870612	CD4053BCM♻	SOIC-16	Triple 2-ch analog mux/demux	✳	.333	.30
870663	CD4060BCN♻	DIP-16	14-stage ripple carry binary counter	.55	.46	.37
870680	CD4066BCM♻	SOIC-14	Quad bilateral switch	✳	.225	.203
870807	CD4093BCN♻	DIP-14	Quad 2-input NAND schmitt trigger	✳	.333	.30
870284	CD40106BCM♻	SOIC-14	Hex Schmitt trigger	✳	.226	.203
785071	CD40106BCN♻	DIP-14	Hex Schmitt trigger	✳	.353	.318
870831	CD4538BCM♻♠	SOIC-16	Dual precision monostable multivibrator	✳	.353	.30
870858	CD4538BCN♻	DIP-16	Dual precision monostable multivibrator	.53	.44	.33

4000 Series

For more TI 4000 Series visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
893056	CD4002BE♻	DIP-14	CMOS dual 4-input NOR gate	✳	$.221	$.207
893283	CD4011BE♻	DIP-14	CMOS NAND gate	✳	.221	.207
893443	CD4013BE♻	DIP-14	CMOS dual D-type flip-flop	✳	.221	.207
893611	CD4017BE♻	DIP-16	CMOS counter/divider	✳	.258	.242
817598	CD4017BPW♻	TSSOP-16	CMOS counter/divider	✳	.233	.219
893769	CD4020BE♻	DIP-16	CMOS ripple carry binary counter/divider	✳	.258	.242
893806	CD4021BE♻	DIP-16	CMOS 8-stage static shift register	✳	.258	.242
893911	CD4024BE♻	DIP-14	CMOS 7-stage ripple carry binary contr/divider	✳	.221	.207
893988	CD4027BE♻	DIP-16	CMOS dual J-K master slave flip-flop	✳	.221	.207
894024	CD4028BE♻	DIP-16	BCD-to-decimal decoder	✳	.245	.23
817838	CD4028BM♻	SOIC-16	BCD-to-decimal decoder	✳	.392	.294
894059	CD4029BE♻✪	DIP-16	CMOS presettable up/down counter	✳	.27	.253
817862	CD4031BE♻	DIP-16	CMOS 64-stage static shift register	1.25	1.12	1.04
894171	CD4040BE♻	DIP-16	CMOS ripple carry binary contr/divider	✳	.223	.209
817897	CD4041UBE♻	DIP-14	CMOS quad true/compliment buffer	.65	.59	.541
894251	CD4043BE♻	DIP-16	CMOS quad NOR 3-st R/S latch	✳	.199	.186
1238299	CD4049UBDWG4♻	SOIC-16	CMOS hex buffer/converter	✳	.323	.274
894391	CD4051BE♻✪	DIP-16	Single 8-ch MUX w/ 3-binary inputs, I-temp	✳	.258	.242
818224	CD4056BE♻	DIP-16	CMOS liquid crystal display driver	✳	.378	.355
818304	CD4066BE♻	DIP-14	CMOS quad bilateral switch	✳	.221	.207
894761	CD4069UB♻	DIP-14	CMOS hex inverter	✳	.221	.207
894809	CD4071BE♻	DIP-14	CMOS quad 2-input or gate	✳	.221	.207
894833	CD4072BE♻	DIP-14	CMOS dual 4-input OR gate	✳	.199	.186
818873	CD4093BE♻	DIP-14	Quad 2-input NAND schmitt trigger	✳	.221	.207
895377	CD4511BE♻	DIP-16	CMOS BCD-to-7 seg. latch decoder/driver	✳	.282	.265
819104	CD4521BE♻	DIP-16	BMOS 24-stage frequency divider	✳	.393	.369

✪ Blue Part No. = Limited Quantity Available

4000 Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562	CD4001N**	DIP-14	Quad 2-input NOR gates	$.39	$.30	$.23
675964	CD4002N	DIP-14	Dual 4-input NOR gates	.41	.336	.179
12597	CD4007N⊕	DIP-14	Dual comp. pair with inverter	.35	.30	.25
12634	CD4011N⊕**	DIP-14	Quad 2-input NAND gates	.35	.288	.228
675972	CD4012N	DIP-14	Dual 4-input NAND gates	.34	.295	.179
12677	CD4013N⊕**	DIP-14	Dual D flip-flops with set/reset	.41	.34	.25
675981	CD4014N	DIP-16	8-stage static shift register	.28	.265	.17
12706	CD4015N*	DIP-16	Dual 4-stage static shift registers	.31	.249	.207
13565	CD4518N	DIP-16	Dual BCD up counters	.32	.30	.276
13581	CD4520N	DIP-16	Dual binary up counters	.34	.27	.21
676422	CD4527N	DIP-16	BCD rate multiplier	.40	.333	.226

*10 pcs. in 4000 series IC cabinet kit, pg 17 **20 pcs. in 4000 series IC cabinet kit, pg 17

4000 Series (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
13611	CD4528N	DIP-16	Dual monostable multivibrators	$1.14	$.98	$.73
676431	CD4532N	DIP-16	8-bit priority encoder	.39	.299	.169
676449	CD4536N	DIP-16	CMOS Programmable timer	.59	.448	.254
13653	CD4538N*	DIP-16	Dual precision monostable multivibrators	.44	.37	.302
13688	CD4541N	DIP-14	Oscillator/programmable timer	.36	.358	.29
676844	CD4541M	SOIC-14	Oscillator/programmable timer	.23	.183	.145
13696	CD4543N*	DIP-16	BCD to 7-segment decoder (LCD)	.39	.30	.23
13709	CD4553N	DIP-16	3-digit BCD counter	2.95	2.66	2.39
13768	CD4584N*	DIP-14	Hex Schmitt triggers	.39	.35	.29
676457	CD4724N	DIP-16	CMOS 8-bit addressable latch	.32	.298	.196
676465	CD14538N	DIP-16	CMOS dual precision monostable multivib.	.66	.498	.279
676473	CD40102N	DIP-16	8-st. preset. synch. down cntrs (2-decade BCD)	.79	.66	.408
676481	CD40103N	DIP-16	8-st. preset. synch. down cntrs (8-bit binary)	.47	.423	.33
44257	CD40106N	DIP-14	Hex inverters Schmitt trigger (74C14)	.49	.465	.42
676887	CD40106M	SOIC-14	CMOS Hex Schmitt trigger	.28	.241	.176
676490	CD40107N	DIP-8	Dual 2-input NAND buffer/driver	.45	.349	.265
676502	CD40110N	DIP-16	Decade up-down counter	1.23	1.00	.71
676511	CD40174N	DIP-16	HEX D-type flip flops	.43	.324	.244
676529	CD40192N	DIP-16	Presettable up/down counter	.54	.407	.215
676537	CD40193N	DIP-16	Presettable up/down counter	.59	.448	.34
12722	CD4016N*	DIP-14	Quad bilateral switches	.28	.24	.18
676545	CD4016M	SOIC-14	Quad bilateral switches	.36	.293	.203
12749	CD4017N⊕*	DIP-16	Decade counter/divider	.39	.35	.32
197296	CD4017M	SOIC-16	Decade counter/divider	.36	.31	.233
12773	CD4018N	DIP-16	Presettable divide-by-N counter	.39	.33	.249
675999	CD4019N	DIP-16	Quad AND/OR select gates	.32	.293	.265
12802	CD4020N*	DIP-16	14-stage binary/ripple counter	.39	.36	.33
12845	CD4023N*	DIP-14	Triple 3-input NAND gates	.39	.33	.25
12853	CD4024N⊕*	DIP-14	7-stage binary counter	.39	.30	.23
676748	CD4024M	SOIC-14	7-stage binary counter	.20	.174	.16
676001	CD4025N	DIP-14	Triple 3-input NOR gates	.20	.18	.132
353560	CD4026N	DIP-16	Decade counter/divider	.62	.52	.45
12888	CD4027N*	DIP-16	Dual JK master-slave flip-flops	.33	.264	.192
12909	CD4028N	DIP-16	BCD-to-decimal decoder	.40	.266	.244
12925	CD4029N	DIP-16	Presettable up/down counter	.33	.31	.25
676019	CD4030N	DIP-14	Quad exclusive OR gates	.21	.169	.128
12950	CD4040N*	DIP-16	12-stage binary/ripple counter	.31	.29	.22
197333	CD4040M	SOIC-16	12-stage binary/ripple counter	.51	.43	.323
676027	CD4041N	DIP-14	Quad true/complement driver	.79	.60	.335
12992	CD4043N	DIP-16	Quad NOR R-S latches tri-state	.30	.249	.186
13004	CD4044N	DIP-16	Quad 3-state NAND R-S latches tri-state	.44	.38	.29
13055	CD4049N**	DIP-16	Hex/buffer/converters (inverting)	.35	.288	.25
13098	CD4051N⊕*	DIP-16	Single 8-channel multi./demultiplexer	.45	.39	.35
13119	CD4052N	DIP-16	Diff. 4-channel multi./demultiplexer	.31	.26	.195
676756	CD4052M	SOIC-16	4-ch analog multi./demultiplexer	.47	.379	.201
13127	CD4053N	DIP-16	Triple 2-channel multi./demultiplexers	.29	.24	.21
676801	CD4053M	SOIC-16	Triple 2-ch analog multi./demultiplexer	.37	.284	.162
676035	CD4054N	DIP-16	4-segment LCD driver	.33	.266	.183
13151	CD4060N⊕	DIP-16	14-stage ripple-carry binary	.41	.33	.25
676810	CD4060M	SOIC-16	14-stg. ripple-carry binary cntr/divider/oscillator	.42	.339	.18
676051	CD4063N	DIP-16	4-bit magnitude counter	.59	.448	.251
13186	CD4066N⊕**	DIP-14	Quad bilateral switches	.39	.30	.23
13215	CD4067N	DIP-24	16-channel analog multi./demultiplexer	1.02	.87	.65
676060	CD4068N	DIP-14	8-input NAND/AND gates	.25	.183	.121
13231	CD4069N⊕*	DIP-14	Hex inverters (74C04)	.38	.317	.238
13258	CD4070N*	DIP-14	Quad exclusive-OR gates (74C86)	.35	.298	.224
13274	CD4071N*	DIP-14	Quad 2-input OR gates	.39	.346	.28
676078	CD4072N	DIP-14	Dual 4-input OR gates	.42	.344	.154
676086	CD4073N	DIP-14	Triple 3-input AND gates	.40	.379	.196
676406	CD4073M	SOIC-14	Triple 3-input AND gates	.45	.365	.277
676094	CD4075N	DIP-14	Triple 3-input OR gates	.45	.365	.277
676107	CD4077N	DIP-14	Quad exclusive NOR gates	.39	.299	.227

*10 pcs. in 4000 series IC cabinet kit, pg 17 **20 pcs. in 4000 series IC cabinet kit, pg 17

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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4000 Series (Continued)

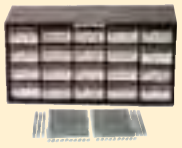
Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
676414	CD4077M	SOIC-14	Quad exclusive NOR gates	$.26	$.24	$.154
676115	CD4078N	DIP-14	8-input NOR/OR gates	.45	.365	.277
13354	CD4081N⊕*	DIP-14	Quad 2-input AND gates	.40	.32	.295
676123	CD4082N	DIP-14	Dual 4-input AND gates	.42	.36	.215
676131	CD4085N	DIP-14	Dual 2-wide 2-input AND/OR inverter gates	.58	.397	.326
676140	CD4089N	DIP-16	Binary rate multiplier	.85	.71	.66
13400	CD4093N⊕*	DIP-14	Quad 2-input NANDs Schmitt trigger	.35	.30	.228
13426	CD4094N⊕	DIP-16	8-stage shift-and-store bus register	.28	.26	.23
676158	CD4502N	DIP-16	Strobed hex inverter/buffer	.45	.33	.25
676166	CD4504N	DIP-16	Hex voltage-level shifter	.54	.49	.374
13485	CD4510N	DIP-16	BCD up/down counter	.39	.30	.23
13493	CD4511N⊕*	DIP-16	BCD to 7-seg. latch/decoder/driver	.69	.59	.49
13522	CD4514N	DIP-24	4-bit latch/4-16 line decoder	.94	.79	.64
13549	CD4516N	DIP-16	Binary up/down counter	.53	.398	.302

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

SAVE $21



Includes:
20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4056

Part No.	Description	Wt. (lbs.)	1	10
84970	300 pcs. 4000 series CMOS IC kit	6.1	$95.65	$90.85

4000 & 7400 Series Cabinet Kit Refills available at www.Jameco.com

Texas Instruments 7400 Series

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Part No.	Product No.	Pkg.	Description	1	10	100
830063	SN7404D	SOIC-14	Hex inverters	$1.55	$1.41	$1.22
910987	SN7406N	DIP-14	Hex inv buffer/drivr w/ open collectr hi-volt output	1.03	.86	.81
911015	SN7407N	DIP-14	Hex buffer/driver w/ open collectr hi-volt output	.87	.79	.74
910901	SN7400N	DIP-14	Quad 2-input pos. NAND gates	1.15	.97	.77

7400 Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979	7400N⊕**	DIP-14	Quad 2-input NAND gates	$.97	$.82	$.66
49007	7401N	DIP-14	Quad 2-input NAND gates (O.C.)	.65	.63	.59
49015	7402N⊕*	DIP-14	Quad 2-input NOR gates	1.09	.99	.89
49040	7404N⊕**	DIP-14	Hex inverters	1.09	.89	.80
49074	7405N⊕*	DIP-14	Hex inverters (O.C.)	.69	.54	.405
49091	7406N**	DIP-14	Hex inverter buffer/drivers (O.C.)	.68	.60	.53
49120	7407N⊕**	DIP-14	Hex buffer/drivers (O.C.)	.59	.53	.47
49146	7408N*	DIP-14	Quad 2-input AND gates	1.49	1.35	1.25
49189	7410N⊕*	DIP-14	Triple 3-input NAND gates	.64	.58	.418
295777	7411N	DIP-16	Triple 3-input AND gates	1.19	1.08	.97
49402	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger	1.25	1.12	1.01
49437	7414N⊕*	DIP-14	Hex inverters Schmitt trigger	.71	.64	.58
49630	7416N⊕*	DIP-14	Hex inverter buffer/drivers (O.C.)	.81	.74	.66
49728	7417N*	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	.91	.77	.58
50008	7420N*	DIP-14	Dual 4-input NAND gates	.63	.61	.58
50227	7430N*	DIP-14	8-input NAND gate	.62	.58	.435
50235	7432N⊕*	DIP-14	Quad 2-input OR gates	.98	.84	.66
50374	7442N	DIP-16	BCD-to-decimal decoder	1.67	1.42	1.07
50403	7445N	DIP-16	BCD-to-decimal decoder/driver	1.49	1.32	1.14
50420	7447N⊕*	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99

*10 pcs./**20 pcs. in 7400 series IC cabinet kit, right

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7400 Series (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
50526	7472N	DIP-14	AND gated JK master/slave flip-flop	$1.95	$1.75	$1.59
50534	7473N	DIP-14	Dual JK flip-flops with clear	1.33	1.13	.84
50551	7474N**	DIP-14	Dual D flip-flops	.72	.62	.59
50577	7475N	DIP-16	4-bit bi-stable latch	2.95	2.75	2.49
50593	7476N	DIP-16	Dual JK flip-flops with preset and clear	2.95	2.65	2.39
50631	7483N	DIP-16	4-bit binary full adder	2.95	2.65	2.39
50657	7485N*	DIP-16	4-bit magnitude comparator	1.65	1.51	1.09
50665	7486N	DIP-14	Quad exclusive-OR gates	1.75	1.59	1.45
50681	7489N	DIP-16	64-bit RAM P 50ns	3.85	3.50	3.28
50690	7490N	DIP-14	Decade counter	2.95	2.65	2.39
50737	7492N	DIP-14	Divide-by-12 counter	1.49	1.29	1.07
50745	7493N	DIP-14	4-bit binary counter	1.75	1.59	1.45
50770	7495N*	DIP-14	4-bit parallel-access shift reg. (K155N)	1.45	1.26	.84
49234	74107N*	DIP-14	Dual JK flip-flop with clear	.57	.484	.363
49322	74121N⊕	DIP-14	Monostable multivibrator	1.25	1.15	1.00
49357	74123N⊕*	DIP-16	Dual retriggerable mono multivibrator	1.39	1.33	1.26
49373	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.39	1.32	1.25
49411	74132N*	DIP-14	Quad 2-input NAND Schmitt trigger	1.09	.93	.79
49496	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79
49509	74150N⊕	DIP-24	16 to 1 line multiplexer	2.87	2.54	2.34
49525	74151N*	DIP-16	8-input multiplexer	.75	.63	.472
49550	74153N*	DIP-16	Dual 4/1 data selector/multiplexer	1.31	1.12	.85
49568	74154N	DIP-24	4 to 16 line decoder/demultiplexer	2.70	2.34	2.10
49605	74157N*	DIP-16	Quad 2/1 data selector	.99	.86	.65
49648	74160N*	DIP-16	Decade counter with asynch clear	.52	.46	.41
49664	74161N	DIP-16	Synchronous 4-bit counter w/ direct clear	.77	.69	.55
49672	74163N	DIP-16	Fully synchronous 4-bit counter	.89	.76	.57
49681	74164N	DIP-14	8-bit serial shift register	.94	.79	.59
49779	74174N*	DIP-16	Hex D-type flip-flop with clear	1.09	.92	.69
49795	74175N*	DIP-16	Quad D-type flip-flop with clear	1.05	.88	.66
49841	74181N	DIP-24	Arithmetic logic unit/function generator	3.65	3.32	2.99
49883	74189N	DIP-16	64-bit RAM tri-state (DM8599N)	3.39	2.89	2.17
49904	74191N	DIP-16	Binary up/down counter	2.05	1.73	1.30
49912	74192N	DIP-16	Decade up/down counter with clear	4.25	3.85	3.49
49939	74193N	DIP-16	Binary up/down counter with clear	2.39	2.10	1.92
49955	74194N	DIP-16	4-bit bi-directional shift register	1.75	1.49	1.11

*10 pcs./**20 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

SAVE $138



Includes:
20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953	350 pcs. 7400 IC kit	6.2	$179.94	$161.94

74C Series

For more Fairchild 74C visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
871842	MM74C914N	DIP-14	Hex Schmitt trigger w/ extended input voltage	$3.89	$3.41	$2.84
871754	MM74C14M	SOIC-14	Hex schmitt trigger	.74	.61	.49
871771	MM74C14N	DIP-14	Hex schmitt trigger	.74	.62	.49
871869	MM74C922N	DIP-18	16-key encoder	6.15	5.74	5.34

Texas Instruments 74C Series

For more TI 74C visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
834881	SN74CBTLV3253PW	TSSOP-14	Dual 1-of-4 FET mux/demux	$.86	$.65	$.49

DIP  SOIC  TSSOP 

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

74C, 74S, Supervisory & Power Management

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of additional ICs are now available on our website.

74C Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input NAND gate	$1.15	$.91	$.68
44257	74C14N	DIP-14	Hex inverter Schmitt trigger (CD40106)	.49	.465	.42
44441	74C74N	DIP-14	Dual D flip-flop	2.25	1.81	1.36
44361	74C221N	DIP-16	Dual monostable multivibrator	4.29	3.44	2.68
44396	74C373N	DIP-20	Octal D-type flip-flop with clear tri-state	4.65	3.74	2.93
44564	74C922N	DIP-18	16-key keyboard encoder (INS8245N)	7.05	6.79	6.19
44572	74C923N	DIP-20	20-key keyboard encoder (INS8246N)	7.45	6.32	5.33
44599	74C926N	DIP-18	4-digit CTR w/ MUX D segment driver	12.59	10.71	9.10

Texas Instruments 74S Series

For more TI 74S visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1052013	SN74S112ANE4	DIP-16	Dual J-K neg. edge trig. flip-flop w/ reset & clear	$1.79	$1.58	$1.37
758111	SN74S140D	SOIC-14	Dual 4-input pos. NAND 50Ω line drivers	2.55	2.24	1.93

74S Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
676959	74S00N	DIP-14	Quad 2-input NAND gates	$.70	$.59	$.36
676967	74S04N	DIP-14	Hex Inverter	.70	.59	.361
676975	74S10N	DIP-14	Triple 3-input NAND gates	.75	.64	.39
676983	74S38N	DIP-14	Quad 2-input NAND buffer w/ open collector	1.06	.97	.74
676991	74S74N	DIP-14	Dual positive edge-triggered D-type flip-flop	.81	.69	.417
677003	74S138N	DIP-16	3-8 line decoder/demultiplexer	1.09	.99	.81
48557	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	4.49	3.99	3.64
677011	74S240N	DIP-20	Octal 3-state buffer/line driver/line receiver	1.85	1.51	1.16
677020	74S244N	DIP-20	Octal 3-state buffer/line driver/line receiver	1.85	1.51	1.19
48696	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	14.35	12.90	11.63
48717	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.95	8.05	7.25
48805	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	3.09	2.95	2.80
52513	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49

Dallas Semiconductor

For more Dallas Semiconductors visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
114198	DS1210	DIP-8	NV controller chip	$4.45	$3.78	$2.84
114219	DS1213C	DIP-28	Smart socket	22.45	17.70	12.95
133410	DS1216C	DIP-28	Smart watch/RAM	30.55	25.14	18.59
697231	DS1243Y-120	EMOD-28	64k non-volatile SRAM w/ phantom clock	44.95	36.87	28.79
866584	DS275	DIP-8	Line powered RS-232 transceiver chip	3.99	3.83	3.67
862209	DS1230Y-200	DIP-28	256 non-volatile SRAM	16.35	14.93	13.52
780182	DS1231-20+	DIP-8	Power monitor chip	8.09	6.09	5.39
133444	DS1286♣	DIP-28	Watchdog timekeeper	22.15	16.90	12.40
76646	DS1287♣	DIP-24	Real time clock chip	8.70	7.38	6.64
176778	DS1302⊕	DIP-8	Trickle charge time keeping	3.19	2.44	1.48
780481	DS1302+	PDIP-8	Trickle charge time keeping chip, C-temp	3.89	3.31	3.09
1194679	DS1307	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.59	2.79	2.43
780561	DS1314S-2+♠	SOIC-8	3V non-volatile controllerw/ lithium battery monitor	15.85	11.95	10.41
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.35	4.42	3.39
865709	DS1821	PR-35	Prog. digital thermostat & thermometer	6.15	4.70	4.10
865936	DS18B20	TO-92	Prog. resolution 1-wire digital thermometer	4.45	3.89	3.31
866007	DS1994L-F5+♠	F5 MicroCan	4kb plus time memory iButton	23.19	15.43	13.83
866277	DS2401P♠	TSOC-6	Silicon serial number	1.75	1.39	1.31
866306	DS2401Z♠	SOT-223	Silicon serial number	1.99	1.57	1.49
697266	DS2430A	TO-92	1-wire, 256B EEPROM	3.29	2.48	2.21
133452	DS12887♣	DIP-24	Real time clock chip	8.15	6.93	5.19
782129	DS2433S+♠	SOIC-8	4kb 1-wire EEPROM	3.95	3.80	3.76
782372	DS80C320-QCG+♠	PLLC-44	High speed low power microcontroller	18.59	14.09	12.44

♣ Pull = Extra Savings

MPU Supervisory

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	$5.45	$4.64	$3.16
106227	MAX691CPE	DIP-16	Watchdog timer, 4.65V	5.75	3.85	3.23
106260	MAX1232CPA	DIP-8	Watchdog timer, 4.65V - 4.75V	2.85	1.85	1.53

Allegro Supervisory & Resets

For more Allegro Supervisory visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1718778	A1323EUA-T♠	SIP-3	Ratiometric linear hall effect sensor for hi-temp op	$1.18	$1.11	$1.04
1718727	A1203EUA-T♠	SIP-3	Continuous-time bipolar switch	1.01	.95	.89

MAXIM Supervisory

For more Maxim Supervisory visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
884897	MAX691ACPE	DIP-16	µP supervisory circuit (C-temp)	$7.49	$6.22	$5.10
823293	MAX807LCPE♠	DIP-16	µP sup. circuit w/ ±1.5% reset accuracy	6.89	6.19	5.57
823744	MAX818LCPA♠	DIP-8	+5V µP supervisory circuit	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

Texas Instruments Supervisory

For more TI Supervisory visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
762620	TPS3836K33DBVT	SOT-23/5	Nano power supervisory circuit	$2.35	$1.87	$1.79

Dallas Micro Monitor

NEW

For more Dallas Micro Monitor visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
114331	DS1232	DIP-8	Micromonitor chip	$1.85	$1.34	$1.02
862348	DS1232♠	DIP-8	Micromonitor chip	2.05	1.54	1.45
780220	DS1232+♠	DIP-8	Micromonitor chip	2.05	1.53	1.45
1193481	DS1232LP+♠	DIP-8	Low power micromonitor chip	1.99	1.64	1.47
780254	DS1232LPS-2+♠	SOIC-8	Low power micromonitor chip	2.19	1.65	1.47
862399	DS1232LPSN-2♠	SOIC-8	Low power micromonitor chip	2.55	1.70	1.69
1193561	DS1232S+♠	SOIC-16	Micromonitor chip	2.65	2.00	1.80
862479	DS1232SN♠	SOIC-16	Micromonitor chip	2.79	2.29	2.10

ON Semiconductor Power Management

Part No.	Cross Ref.	Pkg.	Description	1	10	100
871682	MC34064D-005✪	SOIC-5	Undervoltage sensing circuit	$1.27	$1.16	$1.00

✪ Blue Part No. = Limited Quantity Available

Texas Instruments Power Management Volt. Reference

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
908406	REF02AP♠	DIP-8	+5V precision voltage ref.	$3.59	$3.33	$3.14
826259	LM285D-2-5♠	SOIC-8	Micropower voltage ref.	✳	.265	.25
826902	LM385D-2-5♠	SOIC-8	Micropower voltage ref.	✳	.189	.176
760544	TL431CPK♠	SOT-89/3	Adjustable precision shunt regulators	★	Call	Call
760561	TL431ID♠	SOIC-8	Adjustable precision shunt regulators	✳	.118	.11
760608	TL431ILP	TO-92	Adjustable precision shunt regulators	.44	.356	.267
822442	TL431IP♠	DIP-8	Adjustable precision shunt regulators	✳	.147	.133
826523	TLV431AID♠	SOIC-8	Adjustable precision shunt regulators	.57	.472	.441
903120	LT1004CD-1-2♠	SOIC-8	Micropower integrated voltage ref.	✳	.338	.318
760202	TL1431QD♠	SOIC-8	Precision programmable ref.	.79	.72	.68
908650	REF3012AIDBZT♠	SOT-23/3	CMOS voltage ref., 50ppm/0C, 50µA	★	Call	Call
908692	REF3020AIDBZT♠	SOT-23/3	CMOS voltage ref., 50ppm/0C, 50µA	★	Call	Call
827155	LM4041C12IDBZT	SOT-23/3	1.2V precision micropower shunt volt ref.	1.32	1.13	.94

★ Please call or visit our website for minimum order quantity and pricing

www.Jameco.com

For additional 74C, 74S Series, Dallas Semiconductors, Supervisory, Resets & Power management, visit our website today!

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Thousands of additional ICs are now available on our website.

Texas Instruments 65LVDS Series

For more TI 65LVDS visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
910371	SN65LVDS1DBVT♻♠	SOT-23/5	High-spd diff. line driver/rcv.	★	Call	Call
829855	SN65LVDS2D♠	SOIC-8	High-spd diff. line driver/rcv.	.99	.90	.85
910717	SN65LVDT386DGG♻♠	TSSOP-64	Hi-spd diff. line 16 rcvs., C-temp.	11.65	10.80	10.17
829943	SN65LVDS388ADBT♠	SM8-38	Hi-spd diff. line 8 rcvs., I-temp.	6.09	5.65	5.33
910565	SN65LVDS389DBT♠	SM8-38	Hi-spd diff. line 8 drvs., I-temp.	6.09	5.65	5.33
910590	SN65LVDS9637BD♻♠	SOIC-8	High-spd diff. line 2 rcvs.	2.45	2.25	2.11
910637	SN65LVDS9638DGK♠	MSOP-8	High-spd diff. line drvs., I-temp.	2.45	2.25	2.11

★ Please call or visit our website for minimum order quantity and pricing

Allegro Display Drivers

For more Allegro Display Drivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1719332	A6800SA-T♻♠	DIP-14	DABiC-5 latched sink drivers	$1.39	$1.12	$1.02
1719341	A6801SA-T♻♠	DIP-22	DABiC-5 latched sink drivers	2.05	1.65	1.49
1719383	A6810SLW♠	SOIC-20	DABiC-IV, 10-bit serial input, latched source driver	1.75	1.58	1.41
1719367	A6810EA♠	DIP-18	DABiC-IV, 10-bit serial input, latched source driver	1.69	1.55	1.40
1719439	A6821SA-T♻♠	DIP-16	DABiC-5, 8-bit serial input latched sink driver	2.19	1.76	1.60

Allegro Motor Control

For more Allegro Motor Controls visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1719130	A3959SLB-T♻♠	SOIC-24	DMOS full bridge PWM motor driver	$4.85	$4.21	$3.85
1719164	A3979SLP-T♻♠	TSSOP-20	Microstepping DMOS driver w/ translator	6.49	5.79	5.22

Allegro Power Drivers

For more Allegro Drivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1719210	A6275EA	DIP-16	8-bit serial input constant curr. latched LED drvr	$1.41	$1.22	$1.17
1719228	A6275ELW♠	SOIC-16	8-bit serial input constant curr. latched LED drvr	1.49	1.31	1.20
1718831	A2557KLB-T♻♠	SOIC-16	Quad low-side drvr w/ fault protect&sleep mode	2.25	2.00	1.80
1719480	A6841SLW-T♻♠	SOIC-18	DABiC-5, 8-bit serial input latched sink drvr	2.45	2.21	1.99
1719471	A6841SLW-20-T♻♠	SOIC-20	DABiC-5, 8-bit serial input latched sink drvr	4.45	2.98	2.56
1762664	UDN2559B♠	DIP-16	Protected quad power driver	3.89	3.05	2.76
1762656	UDK2559EB♠	PLCC-28	Protected quad power driver	4.69	3.84	3.77
1762681	UDN2981A-T♻	DIP-18	8-channel source drivers	1.75	1.39	1.27
1762701	UDN2987LW-6-T♻♠	SOIC-20	DABIC-5 8-ch source drvr w/ overcurr. protection	2.69	2.20	2.18

MAXIM RS-232 Drivers/Rec.

For more Maxim RS-232 visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
808000	MAX202CSE+♻	SOIC-16	+5V dual RS-232 trans. w/ 0.1µF ext. cap	$3.09	$2.44	$2.16
881979	MAX202ECPE	DIP-16	±15kV ESD-protect, 5V RS-232 trans.	4.05	3.04	2.81
882023	MAX202EESE♠	SOIC-16	±15kV ESD-protect, +5V dual RS-232 trans.	5.05	3.98	3.52
808288	MAX208ECNG+♻	DIP-24	±15kV ESD-protect, +5V RS-232 trans.	8.35	6.50	5.69
808544	MAX214CPI	DIP-28	Prog. DTE/DCE, +5V dual RS-232 trans.	9.59	9.09	8.18
882171	MAX232ACPE♠	DIP-16	+5V multi-ch RS-232 drvrs/recvrs, C-temp	5.05	4.13	3.76
318959	MAX232CPE⊕	DIP-16	5V, 200kbps, multichannel	2.89	1.77	1.33
882293	MAX232ECPE	DIP-16	±15kV ESD-protected, +5V RS-232 trans.	4.15	3.08	2.73
809011	MAX238ENG♠	DIP-24	+5V powered multichnl RS-232 quad drv./rec.	★	Call	Call
1225421	MAX3235ECPP+G36♻	DIP-20	±15kV ESD-protect, 3.3V/5V dual trans.	5.85	5.55	5.27

★ Please call or visit our website for minimum order quantity and pricing

Texas Instruments RS-232 Drivers/Rec.

For more TI RS-232 visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
698576	MAX232N♻	DIP-16	Dual EIA-232 drivers/receivers	$.89	$.72	$.55
698550	MAX232D♻♠	SOIC-16	Dual EIA-232 drivers/receivers	✳	.339	.329
698568	MAX232DW♻	SOIC-16	Dual EIA-232 drivers/receivers	.87	.72	.58
903277	MAX232IN♻	DIP-16	Dual EIA-232 drivers/receivers	.55	.483	.455
758962	SN75C1406DW♻	SOIC-16	Triple low-power drivers/receivers	.75	.70	.66



Texas Instruments RS-232 Drivers/Receivers (Continued)

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
828043	MC1488N♻	DIP-14	Quad line drivers	$.54	$.431	$.323
903525	MC1489AN♻	DIP-14	Quad line receivers	✳	.181	.17
903541	MC1489N♻♠	DIP-14	Quad line receivers	✳	.181	.17
698584	MAX3221CDB♻	SSOP-16	3-5.5V sngl RS-232 line drvr/rec w/ ±15kV ESD	1.31	1.09	1.02
903306	MAX3221IDB♻♠	SSOP-16	3V-5.5V sngl ch RS-232 line drv/rcv w/ ±15kV ESD	1.29	1.20	1.13
698605	MAX3221IPW♻♠	TSSOP-16	3-5.5V sngl RS-232 line drvr/rec w/±15kV ESD	1.39	1.18	.89
903331	MAX3222CPW♻♠	TSSOP-20	3V-5.5V multi ch RS-232 line drv/rcv w/ ±15kV ESD	2.25	2.05	1.93
698613	MAX3232CD♻	SOIC-16	3-5.5V multich RS-232 line drvr/rec w/ ±15kV ESD	1.46	1.41	1.18
698621	MAX3232CPW♻♠	TSSOP-16	3-5.5V multich RS-232 line drvr/rec w/ ±15kV E	1.39	1.29	1.15
698630	MAX3232IPW♻♠	TSSOP-16	3-5.5V multich RS-232 line drvr/rec w/ ±15kV E	1.59	1.40	1.14
698648	MAX3243CDB♻	SSOP-28	3V-5.5V multich RS-232 line drvr/rec w/ ±15kV ESD(HBM)	1.31	1.09	.98
758153	SN75107BN♻♠	DIP-14	Dual line receivers	✳	.241	.227
820341	SN75110AN♻♠	DIP-14	±5V, Dual line drivers	✳	.29	.273
820391	SN75118N♻♠	DIP-16	Differerential line receivers	4.69	4.35	4.09
820447	SN75150P♻♠	DIP-8	±12V, Dual line drivers	1.15	.98	.78
758170	SN75155D♻	SOIC-8	±12V, Line driver & receiver	.75	.67	.63
758196	SN75155P♻♠	DIP-8	±12V, Line driver & receiver	.75	.67	.63
758217	SN75158P♻♠	DIP-8	Dual differential line driver	2.85	2.65	2.50
758233	SN75160BDW♻♠	SOIC-20	Gen. purpose octal inrterface bus trans.	1.25	1.16	1.09
758250	SN75160BN♻♠	DIP-20	Gen. purpose octal inrterface bus trans.	1.25	1.16	1.09
758268	SN75173D♻♠	SOIC-16	Quad differential line receivers w/ 3-st	1.15	1.03	.97
758276	SN75173N♻♠	DIP-16	Quad differential line receivers w/ 3-st	1.15	1.03	.97
758292	SN75175D♻♠	SOIC-16	Quad differential line receivers w/ 3-st	.55	.483	.455
758321	SN75175N♻	DIP-16	Quad differential line receivers w/ 3-st	.55	.483	.455
758348	SN75176AD♻	SOIC-8	Differential bus transceivers	✳	.29	.273
758364	SN75176AP♻	DIP-8	Differential bus transceivers	✳	.29	.273
758381	SN75176BD♻♠	SOIC-8	Differential bus transceivers	✳	.29	.273
758401	SN75188D♻	SOIC-14	±9V, Quad line drivers	✳	.27	.252
758428	SN75188N♻	DIP-14	±9V, Quad line drivers	✳	.27	.252
758997	SN75C188N♻♠	DIP-14	±12V, Quad low-power line drivers	✳	.319	.298
758461	SN75189AN♻	DIP-14	Quad line receivers	✳	.27	.252
758487	SN75189D♻	SOIC-14	Quad line receivers	✳	.27	.252
758508	SN75189N♻♠	DIP-14	Quad line receivers	✳	.27	.252

DALLAS RS-232 Transceiver Chip

For more Dallas Transceivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
866584	DS275	DIP-8	Line powered RS-232 trans. chip	$3.99	$3.83	$3.67

intersil RS-232 Drivers/Receivers

For more Intersil Drivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
875384	HIN232ACP	DIP-16	5V hi spd RS-232 transmitter/receiver	$.95	$.88	$.82
875448	HIN232CP	DIP-16	5V hi spd RS-232 transmitter/receiver	.49	.459	.43

ON Semiconductor RS-232 Receivers

For more ON Semi RS-232 visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
870882	MC1489AP	DIP-14	Quad line EIA-232D receivers	$.36	$.332	$.301
870920	MC1489P	DIP-14	Quad line EIA-232D receivers	.33	.314	.31

RS-232 Drivers/Receivers

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
142535	HIN202CP	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	$2.65	$2.10	$1.57
244232	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.55	1.25	.94
244241	MAX202EPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	5.79	5.08	4.83
24811	MAX232CPE⊕*	DIP-16	5V, 200kbps, multichannel	2.59	2.07	1.45
106147	MAX232CWE	SOIC-16	5V, 120kbps, multichannel	2.65	2.09	1.36
256401	MAX232DR♻	SOIC-16	5V, 120kbps, dual driver/receiver	.74	.63	.51
106155	MAX232EPE⊕	DIP-16	5V, 120kbps, multichannel	3.59	2.66	2.27
106163	MAX233CPP	DIP-20	5V, 120kbps, multichannel	6.19	4.99	4.66
106171	MAX235CPG	DIP-24	5V, 120kbps, multichannel	13.39	10.62	7.15

*10 pcs. in Linear series IC cabinet kit, pg 31

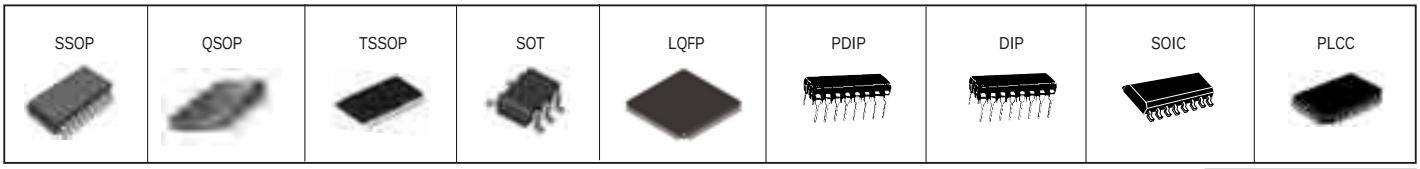
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

RS-232 & RS-422/423/485 Drivers/Receivers & Interface

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of additional ICs are now available on our website.



RS-232 Drivers/Receivers (Cont.)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
106180	MAX238CNG	DIP-24	5V, 120kbps, multichannel	$6.29	$4.79	$3.28
23157	DS1488N*	DIP-14	15V, quad line driver	.35	.299	.202
16361	DS14C88N	DIP-14	5-12V, quad line driver	.78	.70	.66
16379	DS14C89N	DIP-14	5V, quad line receiver	1.00	.73	.55
276859	MAX3232CDR	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	1.25	1.15	1.03
276867	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	3.39	2.89	2.35
235301	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/receiver	2.59	1.95	1.69
23181	SN75189N*	DIP-14	5V, quad line receiver	.23	.196	.147
25099	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver	1.95	1.75	1.59

*10 pcs. in Linear series IC cabinet kit, pg 31

National Semiconductor RS-422/485 Drvr/Rec.

For more National RS-422/485 visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
832042	DS1487N/NOPB	DIP-8	LP RS-485 1/4 unit load multipoint trans.	$2.55	$1.89	$1.39
832077	DS14C232CM/NOPB♠	SOIC-16	LP +5V powered TIA/EIA-232 dual drv./rec.	3.35	2.50	1.87
889399	DS14C232TM♠	SOIC-16	LP +5V powered TIA/EIA-232 dual drv./rec.	2.89	2.71	2.07
891026	DS3695N/NOPB	DIP-8	Multipoint RS-485/RS-422 trans.	1.07	.81	.75
832931	DS3696N/NOPB	DIP-8	Multipoint RS-485/RS-422 trans./rec.	2.45	1.81	1.35
833088	DS75176BM/NOPB	SOIC-8	Multipoint RS-485/RS-422 trans.	.78	.71	.65
891149	DS75176BN	DIP-8	Multipoint RS-485/RS-422 trans.	1.65	1.20	.88
833176	DS75176BTN	DIP-8	Multipoint RS-485/RS-422 trans.	1.65	1.20	.88
833361	DS8923AN/NOPB♠	DIP-16	3-st. RS-422 dual diff. line drv./rec. pair	2.39	1.80	1.33
235408	DS96176CN	DIP-8	RS-485/422 diff bus driver, 5V	1.86	1.72	1.54

MAXIM RS-422/485 Transceiver

For more Maxim RS-422/485 visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
311837	MAX1480BEPI	DIP-28	RS-485/422 data interface, 5V	$32.15	$24.28	$20.17

RS-422/485 Drivers/Receivers

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
299807	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	$1.35	$1.17	$.91
244195	MAX1487CP	DIP-8	RS-485/422 LP transceiver, 12V	2.25	1.45	1.22
39571	AM26LS30	DIP-16	RS-422/423 line driver, 5V	2.39	2.05	1.76
39589	AM26LS31CN	DIP-16	RS-422 quad diff line driver, 5V	.62	.52	.42
25232	MC3486P⊕	DIP-16	RS-422/423 quad diff line receiver, 5V	.62	.527	.395
25259	MC3487P	DIP-16	RS-422/423 quad line driver, 5V	.72	.61	.49
50956	SN75175N	DIP-16	RS-422/423 quad diff line rec, 5V	.72	.56	.45
50964	SN75176BN	DIP-8	RS-422 diff line bus transceiver, 5V	.65	.55	.45

Texas Instruments RS-422/423/485

For more TI RS-422/423/485 visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
892336	AM26C31CD♠	SOIC-16	RS-422 Quad differential line driver	$.55	$.471	$.444
892379	AM26C31ID♠	SOIC-16	RS-422 Quad differential line driver (I-temp)	.55	.495	.466
892459	AM26C32CD♠	SOIC-16	RS-422 Quad differential line receiver	.55	.507	.478
816974	AM26C32CN♠	DIP-16	RS-422 Quad differential line receiver	.59	.531	.50
892491	AM26C32ID♠	SOIC-16	RS-422 Quad differential line receiver (I-temp)	.55	.495	.466
892601	AM26LS31CD	SOIC-16	RS-422 Quad differential line driver	.74	.61	.49
892643	AM26LS32ACD	SOIC-16	RS-423 Quad differential line receivers	.53	.41	.387
892723	AM26LS33ACN	DIP-16	RS-423 Quad differential line receivers	.53	.41	.387
909441	SN65176BD♠	SOIC-8	RS-485 Differential bus transceivers	.53	.41	.387
909741	SN65HVD10D♠	SOIC-8	RS-485 3.3V transceivers	4.59	4.25	4.00
909783	SN65HVD11D♠	SOIC-8	RS-485 3.3V transceivers	4.45	4.13	3.89

Texas Instruments RS-422/423/485 (Cont.)

For more TI RS-422/423/485 visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
909821	SN65HVD12D♠	SOIC-8	3.3V RS-485 transceivers	$4.35	$4.01	$3.77
909901	SN65HVD231D♠	SOIC-8	3.3V CAN transceivers	3.55	3.26	3.07
909943	SN65HVD232D♠	SOIC-8	3.3V CAN transceivers	3.39	3.14	2.96
910012	SN65HVD24D♠	SOIC-8	Ext. common-mode RS-485 trans	4.69	4.35	4.09
829601	SN65LBC176P♠	DIP-8	RS-485 Differential bus transceiver	1.89	1.76	1.66
829644	SN65LBC179AD♠	SOIC-8	RS-485 Low-power diff. line driver/receiver	2.29	2.12	2.00
910186	SN65LBC184D♠	SOIC-8	RS-485 Diff. trans. w/ transient volt suppression	3.39	3.14	2.96
759092	SN75HVD10D♠	SOIC-8	3.3V RS-485 transceivers	2.59	2.53	2.47
758153	SN75107BN♠	DIP-14	Dual line receiver	✳	.241	.227
820341	SN75110AN♠	DIP-14	Dual line driver	✳	.29	.273
820391	SN75118N♠	DIP-16	Differential line transceiver	4.69	4.35	4.09
758217	SN75158P♠	DIP-8	RS-422 Dual differential line driver	2.85	2.65	2.50
758233	SN75160BDW♠*	SOIC-20	Octal general purpose interface bus trans	1.25	1.16	1.09
758250	SN75160BN♠*	DIP-20	RS-485 Octal general purpose interface bus trans	1.25	1.16	1.09
758268	SN75173D♠	SOIC-16	RS-422/423 Quad differential line receiver	1.15	1.03	.97
758276	SN75173N♠	DIP-16	RS-422/423 Quad differential line receiver	1.15	1.03	.97
758292	SN75175D♠	SOIC-16	RS-422/423 Quad differential line receiver	.55	.483	.455
758321	SN75175N	DIP-16	RS-422/423 Quad differential line receiver	.55	.483	.455
758348	SN75176AD	SOIC-8	RS-422 Differential bus transceiver	✳	.29	.273
758364	SN75176AP	DIP-8	RS-422 Differential bus transceiver	✳	.29	.273
758381	SN75176BD♠	SOIC-8	RS-422 Differential bus transceiver	✳	.29	.273
759130	SN75LBC184D♠	SOIC-8	RS-485 Diff. trans.w/ transient volt suppression	3.15	2.90	2.73
764385	UA9637ACP	DIP-8	RS-422/423 Dual differential line receiver	.74	.62	.50
764406	UA9638CP♠	DIP-8	RS-422 Dual high-speed differential line driver	✳	.295	.275

*IEEE 488 (GPIB)

MAXIM Interface Series

For more Maxim Interface visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
804869	ICM7212AMIPL	DIP-40	4-digit display decoder/driver, I-temp	$5.35	$4.11	$3.74
312160	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	8.95	6.95	4.65

SHARP Interface Series

For more Sharp Interface visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1623859	LZ9FC23♠	QFP-48	Driver IC for 270/320/410/470k B/W CCD	$6.39	$4.73	$4.31

National Semiconductor Interface Series

For more National Semi Interface visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
832288	DS26C31TM/NOPB	SOIC-16	CMOS quad 3-st. diff. line driver	$.85	$.70	$.59
832317	DS26C31TN/NOPB♠	DIP-16	CMOS quad 3-st. diff. line driver	2.55	1.87	1.37
889962	DS26C32ATM/NOPB♠	SOIC-16	Quad diff. line receiver	2.05	1.53	1.11
832376	DS26LS31CM/NOPB♠	SOIC-16	Quad high-speed diff. line driver	.79	.66	.57
832405	DS26LS31CN/NOPB♠	DIP-16	Quad high-speed diff. line driver	1.09	.92	.78
832448	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receivers	1.53	1.12	.93
890218	DS26LV31TM/NOPB♠	SOIC-16	3V enhanced CMOS quad diff. line drv	1.85	1.37	1.00
832561	DS26LV32ATM/NOPB♠	SOIC-16	3V enhanced CMOS quad diff. line rcv	1.85	1.36	1.02

ON Semiconductor Interface Series

For more ON Semi Interface visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
870065	MC1413D	SOIC-16	Hi-volt, hi-cur dar transistor arrays	$.62	$.506	$.384
792407	MC1413PG	PDIP-16	Hi-volt, hi-cur dar transistor arrays	.86	.81	.77

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Thousands of additional ICs are now available on our website.

Interface Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
243379	MM5453N⊕	DIP-40	3-10V, LCD driver	$3.85	$3.55	$3.24
314691	ICL7136CPL⊕	DIP-40	15V, 3 1/2 digit LCD driver	5.79	5.08	4.83
313322	ICM7228AIPI	DIP-28	5V, 8 digit LCD driver	3.95	3.55	3.25
241824	MC14489BP⊕	DIP-20	5V, 7-segment LED display driver	3.89	3.26	3.10
277940	SN75179BP ♻	DIP-8	5V, diff line driver/receiver	.79	.65	.59
51027	SN75451AN⊕	DIP-8	7V, dual peripheral AND driver	.34	.29	.22
277974	SN75183N ♻	DIP-14	5V, dual diff line driver	1.39	1.26	1.18
51131	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.45	3.99

Texas Instruments Line Driver

For more TI Line Drivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1061551	THS6012CDWP ♻	SOIC-20	500mA dual diff. line driver	$8.75	$7.24	$6.50

National Semiconductor Motor/Display Drivers

Part No.	Product No.	Pkg.	Description	1	10	100
25216	MC3479P⊕	DIP-16	7.2-16.5V, stepper motor driver	$3.79	$3.22	$2.55
24230	LM3914N⊕	DIP-18	25V, dot/bar display driver	2.39	2.05	1.94
300003	LM3914N-1⊕	DIP-18	25V, dot/bar display driver	1.98	1.85	1.54
901010	LM3914N-1/NOPB ♻	DIP-18	25V, dot/bar display driver	1.55	1.40	1.31
246625	LM3914V⊕	PLCC-20	25V, dot/bar display driver	2.45	2.09	1.70
24256	LM3915N⊕	DIP-18	25V, dot/bar display driver	2.63	1.94	1.43
901061	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar display driver	2.55	1.92	1.47
839885	LM3915N-1/NOPB ♻	DIP-18	3dB/step, 30db range dot/bar display driver	2.59	1.94	1.43
24272	LM3916N⊕	DIP-18	3-25V, dot/bar display driver	2.25	1.91	1.44
901108	LM3916N-1	DIP-18	25V, dot/bar display driver	2.59	1.94	1.43

Digilab Digital Interface ICs

Part No.	Product No.	Pkg.	Description	1	10	50
171951	EDE702⊕	DIP-18	Serial LCD interface	$8.75	$7.20	$5.65
321710	EDE707⊕	DIP-28	Octal 7-segment LED display decoder	8.99	7.65	6.75
171969	EDE1144⊕	DIP-18	Keypad encoder	6.99	5.65	5.00
141532	EDE1200⊕	DIP-18	Unipolar stepper motor controller	8.29	6.90	5.90
157526	EDE1204⊕	DIP-18	Bipolar stepper motor controller	7.55	6.35	5.35
321736	EDE2008⊕	DIP-18	Pushbutton debouncer w/ 8-independent chan	5.99	4.65	4.15
321761	EDE2208/P⊕	DIP-18	8-pushbutton momentary to toggle	5.45	4.25	3.75

5000 Series & Clock Chips

Part No.	Cross Ref.	Pkg.	Description	1	10	50
32803	TCM5089N	DIP-16	Touch tone generator	$5.25	$4.75	$4.05
26171	MM5450N	DIP-40	LED display driver	2.79	2.60	2.30
27422	LM555CN**	DIP-8	Timer	.29	.23	.20
126797	LMC555CN*	DIP-8	CMOS timer	.66	.61	.55
24328	LM556N*	DIP-14	Dual timer	.82	.60	.45
25101	MC146818♣	DIP-24	Real time clock with RAM	9.95	8.94	6.71
10567	AM9513APC♣	DIP-40	Real time clock	39.95	33.96	25.47

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 31 ♣ Pull = Extra Savings

Dallas Delay Lines

For more Dallas Delay Lines visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
861687	DS1100LZ-20♠	SOIC-8	3.3V 5-tap economy timing element, 20ns	$6.75	$5.16	$4.53
861741	DS1100Z-100♠	SOIC-8	5-tap economy timing element, 100ns	6.15	5.02	4.77

Epson 4-Bit Real Time Clocks

For more Epson Real Time Clocks visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1911404	RTC-72423B♠	SOIC-24	4-bit real time clock module	$7.45	$6.19	$4.50
1911367	RTC-72421B♠	DIP-18	4-bit real time clock module	7.55	6.29	4.22
1911341	RTC-72421A♠	DIP-18	4-bit real time clock module	7.45	6.29	4.56
1911324	RTC-62421A♠	DIP-18	4-bit real time clock module	8.49	7.07	5.14

Dallas Clock Chips

For more Dallas Clock Chips visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
780481	DS1302+♻	DIP-8	Trickle charge timekeeping chip, C-temp	$3.89	$3.31	$3.09
863199	DS1305E♠	TSSOP-20	Serial alarm real time clock, C-temp	4.99	3.98	3.29
863308	DS1307	DIP-8	5V I²C real time clock, 64 x 8 serial, C-temp	3.59	2.79	2.43
863383	DS1315-5♠	DIP-16	5V phantom time clip	15.45	11.66	10.15
780609	DS1337C	SOIC-16	I²C serial real time, I-temp	3.45	3.29	3.15
781151	DS1688S♠	SOIC-28	3V-5V serialized real time w/ NV RAM, C-temp	7.39	6.71	6.10
781177	DS1693♠	DIP-28	3V-5V serialized real time w/ NV RAM, C-temp	19.25	14.66	12.88
1194556	DS12887+♻♠	MOD-24	Real time clock, C-temp	7.85	6.26	5.87

Cypress Programmable Clock & Buffers

Part No.	Product No.	Pkg.	Description	1	10	100
778664	CY22381FXC♻♠	SOIC-8	3 PLL gen purp FLASH prog clk gen. (C-temp)*	$3.75	$3.52	$3.28
859843	CY22392FC♠	TSSOP-16	3 PLL gen purp FLASH prog clk gen. (C-temp)**	4.99	4.75	4.52
859931	CY22393FI♠	TSSOP-16	3 PLL serial-prog FLASH prog clk gen. (I-temp) ***	6.79	6.45	6.12
859991	CY2292F♠	SOIC-16	3 PLL gen purp EPROM prog clk gen. (C-temp)**	2.99	2.41	2.33
860027	CY2292FI♠	SOIC-16	3 PLL gen purp EPROM prog clk gen. (I-temp)**	2.99	2.95	2.90
778736	CY2304SXC-1♻♠	SOIC-8	3.3V zero delay buffer (C-temp)	3.05	2.49	2.29
860254	CY2305SC-1♠	SOIC-8	Low cost 3.3V zero delay buffer (C-temp)	1.69	1.52	1.35
860289	CY2305SC-1H♠	SOIC-8	Low cost 3.3V zero delay buffer (C-temp)	1.85	1.68	1.51
860369	CY2305SXC-1♻♠	SOIC-8	Low cost 3.3V zero delay buffer (C-temp)	1.25	1.03	.86
860879	CY2309ZC-1H♠	TSSOP-16	Low cost 3.3V zero delay buffer (C-temp)	2.85	2.32	2.13

* 3 outputs ** 6 outputs *** 6 CMOS outputs

IDT Clock Buffer

For more IDT Clock Buffers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1594795	2305-1DC♠	SOIC-8	3.3V zero delay clock buffer	$.61	$.57	$.56

IDT High Speed Quick Switches

For more IDT Quick Switches visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
1677347	QS3244Q♠	QSOP-20	CMOS 8-bit bus switch	✳	$.295	$.298
1677398	QS3245Q♠	QSOP-20	CMOS 8-bit bus switch	✳	.31	.29
1677478	QS3253Q♠	QSOP-16	Dual 4:1 mux/demux	✳	.31	.29
1677531	QS3257Q♠	QSOP-16	Quad 2:1 mux/demux	✳	.32	.301
1677638	QS32X245Q2♠	QVSOP-40	Double width bus switch	1.01	.96	.92
1677718	QS32XVH245Q2♠	QVSOP-40	2.5V/3.3V 16-bit high bandwidth bus switch	1.15	1.08	1.04
1677911	QS34X245Q3♠	Millipaq-80	32-bit multiwidth™ bus switch	1.07	1.01	.95
1678008	QS34XVH245Q3♠	QVSOP-80	2.5V/3/3V 32-bit high bandwidth bus switch	1.92	1.80	1.73
1678041	QS3861PA♠	TSSOP-24	10-bit bus switch w/ flow-through output	.62	.57	.538
1678059	QS3861Q♠	QSOP-24	10-bit bus switch w/ flow-through output	✳	.34	.323

Dallas EconoResets

For more Dallas EconoResets visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
780262	DS1233-5+♻♠	TO-92	5V EconoReset	$1.32	$1.00	$.90
1193609	DS1233-10+♻♠	TO-92	5V EconoReset	1.35	1.01	.90
780271	DS1233AZ-10+♻♠	SOT-223	3.3V EconoReset	2.09	1.64	1.47
1193781	DS1233D-5+♻♠	TO-92	5V EconoReset	1.39	1.19	1.08
862727	DS1233Z-5♠	SOT-223	5V EconoReset	2.19	1.65	1.47
781548	DS1833-5+♻♠	TO-92	5V EconoReset	1.75	1.31	1.18
865856	DS1834AS♠	SOIC-8	Dual EconoReset w/ pushbutton	2.29	1.73	1.57

NXP / Philips UART/DUARTs

For more NXP UART/DUARTs visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
918647	SC26C92C1A♻♠	PLCC-44	Dual asynch rec/transmitter DUART (C-temp)	$6.25	$5.68	$5.17
918663	SC28C94A1A♻♠	PLCC-52	Quad universal asynch rec/transmitter QUART	29.45	28.02	26.69
918727	SC28L92A1A♻♠	PLCC-44	3.3V/5V dual universal asynch rec./trans. DUART	11.45	10.39	9.91
918786	SCC2691AC1D24♻♠	SOIC-24	Universal asynch rec./trans. UART	5.35	5.05	4.74
918815	SCC2692AC1A44♻♠	PLCC-44	Dual asynch rec./trans. DUART (C-temp)	6.65	6.33	6.03
918874	SCC2698BC1A84♻♠	PLCC-84	Enhanced octal universal asynch rec./trans. UART	34.19	32.55	31.00

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

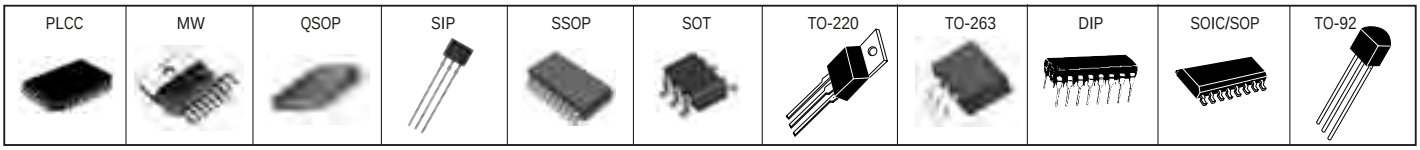
♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

UARTs, MUX/DEMUX, Analog Switches & A/D Converters

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of additional ICs are now available on our website.



UARTs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43158	6402♣	DIP-40	5V CMOS	$7.49	$6.42	$5.99
27596	NS16550AN♣	DIP-40	Async. communication element, 5V	6.29	5.12	4.11
27570	NS16C450N	DIP-40	Async. communication element, 5V	2.39	1.93	1.53
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	2.79	2.27	1.79
905918	PC16552DV♠	PLCC-44	Dual asynchronous receiver/transmitter w/ FIFO	8.45	7.71	6.98

♣ Pull = Extra Savings

NXP / PHILIPS MUX/DEMUX

For more NXP MUX/DEMUX visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
851286	HEF4052BTD♠	SOIC-16	Dual 4-channel analog MUX/DEMUX ✳	$.387	$.348	
917003	HEF4053BTD♠	SOIC-16	Triple 2-channel analog MUX/DEMUX ✳	.204	.178	

MAXIM Decoder/Driver

For more Maxim Decoder/Drivers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
804869	ICM7212AMIPL	DIP-40	4-digit display decoder/driver	$5.35	$4.11	$3.74

Encoders/Decoders

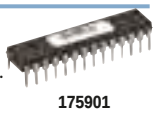
Part No.	Cross Ref.	Pkg.	Description	1	10	100
123730	HT12E	DIP-18	Encoder, 2.4-12V	$1.69	$1.49	$1.29
123748	HT12D	DIP-18	Decoder, 2.4-12V	1.69	1.49	1.29
296711	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.65	2.40
1585047	HSDL-7001$100	SOIC-16	IR 3/16 encoder/decoder (Avago)	3.39	2.77	2.61

Stepper Motor Drivers/Controllers

Part No.	Cross Ref.	Pkg.	Description	1	10	100
924545	L293DD	SOIC-20	Push pull 4-ch driver w/ diodes	$5.29	$4.63	$3.45
288067	L297/1	DIP-20	Stepper motor controller, 5V	5.19	4.99	4.46
245403	L298N	MW-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288091	L6202	DIP-18	DMOS full bridge driver, 48V	6.79	5.76	4.61
288104	L6203⊕	MW-11	DMOS full bridge driver, 48V	9.05	8.75	8.25

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.



175901

175901: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. – suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents
- Programmable accelerations and minimum step rates

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Description	Package	1	10	50
175901	Motion control chip for stepper motors	DIP-28, 0.3"	$25.45	$22.75	$20.55
323934	SC servo motion control IC	DIP-28, 0.3"	32.95	30.25	28.33

MAXIM Analog Switches

For more Maxim Analog Switches visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
807621	MAX318CSA♠	SOIC-8	SPST (NO) CMOS analog switch (C-temp)	$3.59	$2.67	$2.43
810249	MAX365CPE♠	DIP-16	Quad SPST (NO) analog switch (C-temp)	★	Call	Call
810994	MAX4066ACSD♠	SOIC-14	Low-volt, quad SPST CMOS analog switch	★	Call	Call
812455	MAX4524EUB♠	µMAX-10	Low-volt, single supply MUX & switch (I-temp)	★	Call	Call
812551	MAX4543EUA♠	µMAX-8	Low-volt, single supply dual SPST (NO/NC) analog sw (I-temp)	★	Call	Call
812738	MAX4601EAE♠	SSOP-16	2.5Ω quad SPST (NC) CMOS analog switch (I-temp)	★	Call	Call
812851	MAX4622CPE♠	DIP-16	Dual 5Ω SPDT (2 NC/2 NO) analog switch (I-temp)	★	Call	Call
812893	MAX4623CSE♠	SOIC-16	Dual 5Ω DPST (NO) analog switch (C-temp)	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

MAXIM A/D Converters

For more Maxim A/D Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
805132	MAX1138EEE	QSOP-16	4.5-5.5V LP 12-ch 2-wire serial 10-bit ADC	$8.25	$6.81	$6.20
805440	MAX1241AESA♠	SOIC-8	2.7V low-power 12-bit serial ADC (±1/2LSB) I-temp	18.19	13.25	12.06

National Semiconductor A/D Converters

For more National Semi A/D Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
886307	ADC0802LCN	DIP-20	8-bit µP compatible ADC, ±1LSB, I-temp	$6.19	$4.85	$3.91
828289	ADC0802LCN/NOPB♠	DIP-20	8-bit µP compatible A/D convtr (±1/2bit)	3.89	3.72	3.53
886323	ADC0804LCWM	SOIC-20	8-bit µP compatible ADC (±1Bit)	2.15	1.86	1.42
828406	ADC0808CCN/NOPB♠	DIP-28	8-bit µP compatible ADC w/ 8-ch MUX (±1/2LSB)	4.65	4.16	3.38
830944	ADC0809CCN/NOPB♠	DIP-28	8-bit µP compatible ADC w/ 8-ch MUX (±1LSB)	2.99	2.25	2.08
831066	ADC0820CCN/NOPB♠	DIP-20	8-bit high-speed µP, ADC w/ track/hold (±1LSB)	3.19	2.89	2.30
831200	ADC0832CCN/NOPB♠	DIP-8	8-bit serial I/O ADC w/ MUX (2 analog input)	2.65	2.02	1.54
889057	ADC0834BCN	DIP-14	8-bit serial I/O ADC w/ MUX (4 analog input)	3.35	2.56	2.35
889081	ADC0844CCN♠	DIP-20	8-bit µP, ADC w/ MUX options (4-ch, ±1LSB)	5.19	3.93	3.60
889111	ADC0848CCV♠	PLCC-28	8-bit µP, ADC w/ MUX options (8-ch, ±1LSB)	5.25	4.79	4.43

Texas Instruments A/D Converters

For more TI A/D Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
761248	TLC549IP♠	DIP-8	8-bit ADC w/ serial control	$2.75	$2.53	$2.39
823197	TLC0820AINP♠	DIP-20	Adv. LINCMOS high-speed 8-bit ADC	4.45	3.59	3.52
891923	ADS5500IPAPP♠	PAP-64	14-bit, 125MSPS ADC	127.35	118.41	111.56

MAXIM D/A Converters

For more Maxim D/A Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
814039	MAX500AEJE♠	DIP-16	CMOS quad serial interface 8-bit DAC (±1LSB) I-temp	★	Call	Call
814178	MAX505ACAG♠	SSOP-24	Quad 8-bit DAC w/ rail-to-rail volt (±1LSB)	★	Call	Call
814320	MAX509BCWP♠	SOIC-20	Quad serial 8-bit DAC w/ rail-to-rail (±1 1/2LSB)	14.09	10.69	9.72
814717	MAX521BCWG♠	SOIC-24	Quad/octal 2-wire ser 8-bit DAC w/ rail-to-rail (±2LSB)	★	Call	Call
814418	MAX5106EEE♠	QSOP-16	Non-volatile quad 8-bit DAC (I-temp)	★	Call	Call
1239110	MX7523JN+	DIP-16	8-bit CMOS multiplying DAC	5.79	5.53	5.25

★ Please call or visit our website for minimum order quantity and pricing

National Semiconductor D/A Converter

For more National Semi D/A Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
831955	DAC0808LCN/NOPB	DIP-16	8-bit, 150ns, ±4.5 to ±18V, 33mW	$1.08	$1.01	$.94

Texas Instruments D/A Converters

For more TI D/A Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
761731	TLV5618ACD♠	SOIC-8	2.7-5.5V LP dual 12-bit DAC w/ power dwn	$10.55	$9.78	$9.22
824561	TLC7226CN♠	DIP-20	Quad 8-bit DAC	5.59	5.17	4.87

A/D & D/A Converters

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748	7106CPL⊕	DIP-40	A/D, 3 1/2-digit LCD/LED display, 9V	$2.49	$2.21	$2.10
43756	7107CPL⊕	DIP-40	A/D, 3 1/2-digit LCD/LED display, ±5V	2.95	2.40	2.05
875683	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED display, 6V	3.29	3.06	2.87
290263	ICL7135CPI	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.53	3.83
10145	ADC0803LCN⊕	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	4.29	3.10	2.69
10153	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	1.99	1.75	1.39
10170	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	4.39	3.99	3.09
10188	ADC0809CC	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	3.05	2.68	2.07
10225	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	3.19	2.41	2.22
116100	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	1.79	1.63	1.48
296690	AD7226KN	DIP-20	D/A, 8-bit, 2-12.5V, 4µs, 4-channel	18.19	17.17	15.95
277131	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-channel	11.69	9.21	7.58
115158	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-channel	12.59	11.99	11.29
14904	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.49	1.12	.83

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

DC to DC Converters/Controllers & Voltage Regulators

Thousands of additional ICs are now available on our website.

A/D & D/A Converters (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
14947	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	$1.43	$1.18	$.75
128186	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	2.59	2.02	1.56
290976	TLV5628CN	DIP-16	D/A, 8-bit, 3V, 1MHz, 8-channel	4.99	4.05	3.15
290052	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.19	2.60	1.95

Texas Instruments Power Management DC-DC Conv.

Part No.	Product No.	Pkg.	Description	1	10	100
906671	PT5101A	SIP-3	5V 1A pos step-down int. switch reg.	$19.15	$17.76	$16.73
906718	PT5101C	SIP-3	5V 1A pos step-down int. switch reg.	19.15	17.76	16.73
906751	PT5101N	SIP-3	5V 1A pos step-down int. switch reg.	19.15	17.76	16.73
906814	PT6212P	SIP-12	5V 2A adj. pos. step-down int. switch reg.	27.55	25.61	24.13
906890	PT6302N	SIP-12	5V 3A adj. pos. step-down int. switch reg.	30.95	28.75	27.09
906937	PT6304N	SIP-12	12V 3A adj. pos. step-down int. switch reg.	30.95	28.75	27.09
906970	PT6304R	SIP-12	12V 3A adj. pos. step-down int. switch reg.	32.25	29.96	28.23
907016	PT78ST105H	SIP-3	5V 1.5A pos. step-down int. switch reg.	22.49	20.90	19.69
907059	PT78ST105S	SIP-3	5V 1.5A pos. step-down int. switch reg.	22.49	20.90	19.69
907091	PT78ST105V	SIP-3	5V 1.5A pos. step-down int. switch reg.	22.49	20.90	19.69
907139	PT78ST112V	SIP-3	12V 1.5A pos. step-down int. switch reg.	22.49	20.90	19.69
907171	PTH03000WAH	DIP-5	6A, 3.3V input non-isolated wide-output adj.	17.95	16.67	15.71
907219	PTH03000WAS	DIP-5	6A, 3.3V input non-isolated wide-output adj.	17.95	16.67	15.71
907331	PTH03050WAH	DIP-6	6A, 3.3V input non-isolated wide-output adj.	17.05	15.85	14.93
907374	PTH03050WAS	DIP-6	6A, 3.3V input non-isolated wide-output adj.	17.05	15.85	14.93
1366557	PTH04070WAH	DIP-5	3A, 3.3V/5V input adj switching reg	8.49	7.80	7.41
907446	PTH05000WAH	DIP-5	6A, 5V input non-isolated wide-output adj.	17.95	16.67	15.71
907606	PTH05020WAH	DIP-10	22A, 5V input non-isolated wide-output adj.	37.05	34.43	32.44
907681	PTH05050WAH	DIP-6	6A, 5V input non-isolated wide-output adj.	17.05	15.85	14.93
907729	PTH05050WAS	DIP-6	6A, 5V input non-isolated wide-output adj.	17.05	15.85	14.93
907761	PTH05060WAH	DIP-10	10A, 5V input non-isolated wide-output adj.	24.19	22.49	21.19
907809	PTH05060WAS	DIP-10	10A, 5V input non-isolated wide-output adj.	24.19	22.49	21.19
1366910	PTH08080WAH	DIP-5	2.25A, wide input adj switching reg	8.19	7.80	7.41
907921	PTH12010WAS	DIP-10	12A, 12V input non-isolated wide-output adj.	28.65	26.63	25.09
907964	PTH12020WAH	DIP-10	18A, 12V input non-isolated wide-output adj.	37.05	34.43	32.44
908001	PTH12020WAS	DIP-10	18A, 12V input non-isolated wide-output adj.	37.05	34.43	32.44
829046	PTH12030WAH	DIP-13	26A, 12V input non-isolated wide-output adj.	41.99	39.02	36.77
908035	PTH12050WAH	DIP-6	6A, 12V input non-isolated wide-output adj.	★	Call	Call
908107	PTH12050WAZ	DIP-6	6A, 12V input non-isolated wide-output adj.	14.95	12.46	11.30
908131	PTH12060WAH	DIP-10	10A, 12V input non-isolated wide-output adj.	17.75	16.87	16.03
1367947	PTH78000WAH	DIP-5	1.5A, wide-input adj switching regulator	14.65	14.22	13.78
908174	PTH78020WAH	DIP-7	6A, wide-input adj switching regulator	27.49	27.19	25.83
1367971	PTH78020WAS	DIP-7	6A, wide-input adj switching regulator	27.49	27.19	25.83
899917	DCP010505BP	DIP-7	Mini 1W unreg. DC/DC converter	13.95	12.92	12.18
899950	DCP010505BP-U	SOP-7	Mini 1W unreg. DC/DC converter	13.95	12.92	12.18
900156	DCP010515DBP	DIP-7	Mini 1W isolated unreg. DC/DC conv.	15.35	14.25	13.43
900199	DCP010515DBP-U	SOP-7	Mini 1W isolated unreg. DC/DC conv.	13.95	12.92	12.18
900236	DCP011515DBP	DIP-7	Mini 1W isolated unreg. DC/DC conv.	15.35	14.25	13.43
900332	DCP020515DU	SOP-12	Mini 2W isolated unreg. DC/DC conv.	18.35	17.03	16.05
900375	DCP022415DU	SOP-12	Mini 2W isolated unreg. DC/DC conv.	18.35	17.03	16.05
900455	DCR010505U	SOP-12	Mini 1W isolated reg. DC/DC conv.	16.39	15.22	14.34

★ Please call or visit our website for minimum order quantity and pricing

Intersil Voltage Converters

For more Intersil Voltage Converters visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1139258	ICL7660CBA	SOIC-8	1.5V to 10V Vrange CMOS volt converter (C-temp)	$.63	$.51	$.44
1139469	ICL7660CPAZ	DIP-8	1.5V to 10V Vrange CMOS volt converter (C-temp)	.66	.51	.46
1140030	ICL7660SIPA	DIP-8	1.5V to 12V Vrange Super volt conv (I-temp)	1.30	1.14	1.08

MAXIM Voltage Detection/Converters

Part No.	Product No.	Pkg.	Description	1	10	100
881303	ICL7662CBD	SOIC-14	CMOS voltage converter C-temp	$2.85	$2.59	$2.45
881354	ICL7665ACSA	SOIC-8	µP volt monitor w/ dual over/undervolt detection	5.05	3.99	3.54

MAXIM DC-DC Controllers

For more Maxim DC-DC Controllers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
821909	MAX738AEPA+	DIP-8	5V step-down curr mode PWM DC-DC conv.	$8.25	$7.67	$7.19
806856	MAX1771ESA+	SOIC-8	12V or adj, hi-eff., step-up DC-DC contr, I-temp	6.05	4.98	4.54

ON Semiconductor DC-DC Controller

For more ON Semi Controllers visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
804041	UC3845BD1G	SOIC-8	Hi performance curr mode controllers	$1.19	$1.04	$.92

National Semiconductor Simple Switcher® Voltage Regulators

Part No.	Product No.	Pkg./Pins	Description	1	10	100
156566	LM2574N-5	DIP-8	Step-down 5-voltage regulator	$1.86	$1.52	$1.16
835884	LM2574N-ADJ/NOPB	DIP-8	500mA, adjustable step-down volt. reg.	1.39	1.25	1.14
279638	LM2575HVT-5.0	TO-220	Switcher 1A step down V-reg, high Vin range	3.95	3.74	3.52
693177	LM2575HVT-5.0	TO-220/5	Switcher 1A step down V-reg, high Vin range	3.95	3.35	3.15
835868	LM2574M-5.0/NOPB	SOIC-14	Simple switcher 0.5A step down volt. reg	2.45	1.81	1.33
894147	LM2574N-5/NOPB	DIP-8	Simple switcher 0.5A step down volt. reg	2.39	1.79	1.33
836001	LM2575S-5/NOPB	TO-263/5	Simple switcher 1A step down volt. reg	1.99	1.52	1.40
894534	LM2575T-5/NOPB	TO-220/5	Simple switcher 1A step down volt. reg	1.89	1.45	1.33
894500	LM2575T-5.0/LB03	TO-220/5	1A, 5V step-down voltage regulator	2.95	2.35	1.73
836078	LM2575T-ADJ/NOPB	TO-220/5	Simple switcher 1A step down volt. reg	1.89	1.73	1.48
192372	LM2576HVT-ADJ	TO-220/5	Switcher 3A step down V-reg, high Vin range	5.09	3.93	2.95
245569	LM2576T-5.0	TO-220/5	Simple switcher 3A step down voltage reg.	2.05	1.87	1.40
894770	LM2576T-12	TO-220/5	3A, 12V step-down voltage regulator	3.15	2.41	1.84
120977	LM2576T-ADJ	TO-220/5	Simple switcher 3A step down voltage reg.	2.89	2.19	2.02
1290839	LM2585S-ADJ/NOPB	TO-263/5	Simple switcher 3A step flyback reg.	6.25	5.72	5.19
895051	LM2594M-5.0	SOIC-8	Simple switcher pwr conv 150kHz	2.99	2.29	2.11
895115	LM2594M-5.0/NOPB	SOIC-8	Simple switcher pwr conv 150kHz	2.99	2.29	2.11
310391	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	4.15	3.22	2.90
895570	LM2672M-5.0	SOIC-8	Pwr. conv. hi-eff 1A step-down volt. reg.	4.05	3.11	2.88
895617	LM2672M-ADJ	SOIC-8	Pwr. conv. hi-eff 1A step-down volt. reg.	4.05	3.11	2.88
895650	LM2673S-3.3	TO-263/7	3A step-down volt. reg. w/ adj. current limit	4.55	3.50	3.24
895684	LM2673S-ADJ	TO-263/7	3A step-down volt. reg. w/ adj. current limit	4.55	3.50	3.24
895721	LM2674M-3.3	SOIC-8	Pwr. conv. hi-eff. 500mA step-down volt reg.	2.99	2.31	2.14
895772	LM2674M-5.0	SOIC-8	Pwr. conv. hi-eff. 500mA step-down volt reg.	2.99	2.31	2.14
895810	LM2675M-3.3	SOIC-8	Pwr. conv. hi-eff. 1A step-down volt reg.	3.89	2.98	2.76
895852	LM2675M-5.0	SOIC-8	Pwr. conv. hi-eff. 1A step-down volt reg.	3.89	2.98	2.76
896011	LM2676S-3.3/NOPB	TO-263/7	Hi-eff. 3A step-down volt. reg.	4.35	3.34	3.09
896054	LM2676S-5.0	TO-263/7	Hi-eff. 3A step-down volt. reg.	4.35	3.33	3.09

National Semiconductor Low-Dropout Voltage Regulators

Part No.	Product No.	Pkg./Pins	Description	1	10	100
835577	LM1084IS-ADJ/NOPB	TO-263/3	5A adj. LDO pos reg (I-temp)	$2.70	$2.49	$2.11
835622	LM1085IS-ADJ/NOPB	TO-263/3	3A adj. LDO pos reg (I-temp)	1.94	1.82	1.62
893620	LM1085IT-ADJ/NOPB	TO-220/3	3A adj. LDO pos reg (I-temp)	2.10	1.90	1.61
893697	LM1086CS-3.3/NOPB	TO-263/3	1.5A 3.3V LDO pos reg (I-temp)	1.66	1.55	1.46
893742	LM1086CS-ADJ/NOPB	TO-263/3	1.5A adj. LDO pos reg (I-temp)	1.66	1.55	1.46
835631	LM1086CT-ADJ/NOPB	TO-220/3	1.5A adj. LDO pos reg (C-temp)	1.62	1.52	1.30
893865	LM1086IS-ADJ	TO-263/3	1.5A adj. LDO posreg (I-temp)	1.66	1.55	1.30
1282978	LM1117MPX-3.3/NOPB	SOT-223/3	800mA 3.3V LDO linear regulator	★	Call	Call
1283161	LM1117MPX-ADJ/NOPB	SOT-223/3	800mA adj LDO linear regulator	.67	.60	.46
897188	LM2937ET-3.3	TO-220	500mA, 3.3V LDO volt reg (I-temp)	2.45	1.81	1.32
297810	LM2937ET-5.0	TO-220	5V 500mA LDO regulator	1.47	1.35	1.11
897268	LM2940CS-5.0	TO-263/3	1A 5V LDO pos regulator	2.09	1.55	1.14
897381	LM2940CT-5.0/NOPB	TO-220/3	1A 5V LDO pos regulator	1.17	.88	.81
837273	LM2940CT-12/NOPB	TO-220-/3	1A 12V LDO pos regulator	1.07	.81	.74
897516	LM2940S-5.0	TO-263/3	1A 5V LDO pos regulator (I-temp)	1.75	1.55	1.14
837388	LM2940S-5.0/NOPB	TO-263/3	1A 5V LDO pos regulator (I-temp)	2.09	1.55	1.14
897479	LM2940S-12	TO-263/3	1A 12V LDO pos regulator (I-temp)	2.09	1.55	1.14
837505	LM2940T-5.0/NOPB	TO-220	1.0A, 5V LDO volt reg (I-temp)	1.79	1.34	.99
897655	LM2940T-10.0	TO-220	1.0A, 10V LDO volt reg (I-temp)	1.31	1.18	1.07
897698	LM2940T-12.0	TO-220/3	1A 12V LDO pos regulator (I-temp)	1.09	.95	.90
837476	LM2940T-12.0/NOPB	TO-220/3	1A 12V LDO pos regulator (I-temp)	1.07	.81	.74
693804	LM2941CT-LB03	TO-220/5	1A LDO adjustable reg (45Vin)	.99	.88	.71
837564	LM2941CT/NOPB	TO-220/5	1A adj LDO pos regulator	1.06	.80	.73
897735	LM2941S	TO-263/5	1A adj LDO pos regulator (I-temp)	2.09	1.55	1.15
837599	LM2941S/NOPB	TO-263/5	1A adj LDO pos regulator (I-temp)	2.09	1.55	1.15
1323397	LP2950ACZ-3.3/NOPB	TO-92	3.3V µpwr voltage regulator (I-temp)	.99	.77	.56
904616	LP2951ACM	M08A	Adjustable µpower voltage regulator	1.01	.74	.54
904683	LP2951ACMX	M08A	Adjustable µpower voltage regulator	★	Call	Call
1323645	LP2951ACMX/NOPB	M08A	Adjustable µpower voltage regulator	★	Call	Call
904886	LP2980AIM5-5.0	SOP-5	50mA, 5V µpwr ultra LDO volt reg.	.83	.60	.44
1325940	LP2985IM5-3.3/NOPB	MF05A	150mA 3.3V µpwr low noise ultra LDO reg.	★	Call	Call
898105	LM2991S	TO-263/5	1.0A neg. LDO adj. volt reg (-26Vin)	2.85	2.17	1.99

★ Please call or visit our website for minimum order quantity and pricing

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Voltage Regulators

RoHS RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

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National Semiconductor Low-Dropout Voltage Regulators (Cont.)

Part No.	Product No.	Pkg./Pins	Description	1	10	100
1272745	LM3480IM3-3.3/NOPB♻♠	SOT-23/3	100mA 3.3V quasi LDO linear volt reg	★	Call	Call
900148	LM3480IM3-5.0/NOPB♻♠	SOT-23/3	100mA 5V quasi LDO linear volt reg	★	Call	Call
901319	LM3940IMP-3.3/NOPB♻♠	SOT-223/3	1A LDO reg for 5V to 3.3V conversion	★	Call	Call
901351	LM3940IS-3.3	TO-263/3	1A LDO reg for 5V to 3.3V conversion	1.99	1.63	1.20
840034	LM3940IT-3.3/NOPB♻	TO-220/3	1A LDO reg for 5V to 3.3V conversion	2.05	1.51	1.12
905758	LP3982IMM-ADJ/NOPB♻♠	MSOP-8	300mA adj µpwr ultra LDO low noise CMOS reg	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

Linear Tech Low Drop-Out Volt. Reg.

For more LTC LDO Regulators visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1729506	LT1084CP♠	TO-3P	5.0A LDO positive adjustable reg.	$8.85	$8.30	$7.90
1729565	LT1084CT♻	TO-220/3	5.0A LDO positive adjustable reg.	7.85	7.31	6.96
1729611	LT1085CM♻	DDPAK-3	3.0A LDO positive adjustable reg.	7.15	6.68	6.36
1729629	LT1085CM-3.3	DDPAK-3	3.3V 3.0A LDO positive reg.	7.15	6.68	6.36
1729661	LT1085CT-3.3♠	TO-220/3	3.3V 3.0A LDO positive reg.	6.55	6.12	5.82
1729696	LT1085CT-5♻♠	TO-220/3	5V 3.0A LDO positive reg.	6.55	6.12	5.82
1729709	LT1085IT	TO-220/3	3.0A LDO positive adj. reg., I-temp	8.79	8.23	7.83
1729784	LT1086CM-3.3♻	DDPAK-3	3.3V 1.5A LDO positve reg.	3.99	3.73	3.55
1729805	LT1086CT♻♠	TO-220/3	1.5A LDO positive adj. reg.	3.75	3.52	3.35
1729813	LT1086CT-12♠	TO-220/3	12V 1.5A LDO positive reg.	3.75	3.52	3.35
1729830	LT1086CT-3.3♠	TO-220/3	3.3V 1.5A LDO positve reg.	3.75	3.52	3.35
1729856	LT1086IM♠	DDPAK-3	1.5A LDO positive adj. reg., I-temp	4.45	4.15	3.95
1730435	LT1117CM-3.3♠	DDPAK-3	3.3V 800mA LDO positive reg.	3.89	3.63	3.46
1730494	LT1117CST♻♠	SOT-223	800mA LDO positive adj. reg.	3.65	3.41	3.24
1730523	LT1117CST-3.3♻♠	SOT-223	3.3V 800mA LDO positive reg.	3.65	3.41	3.24
1730540	LT1117CST-5♻♠	SOT-223	5V 800mA LDO positive reg.	3.65	3.41	3.24
1730558	LT1117IST♠	SOT-223	800mA LDO pos. adj. reg., I-temp	3.79	3.55	3.38
1730574	LT1117IST-3.3	SOT-223	3.3V 800mA LDO pos. reg., I-temp	3.79	3.55	3.38
1730654	LT1118CST-2.5♻♠	SOT-223	2.5V 800mA LDO source & sink reg.	4.75	4.43	4.22
1730873	LT1121CS8♠	SOIC-8	µPwr LDO reg. w/ shutdown	3.05	2.82	2.68
1730902	LT1121CS8-5♻	SOIC-8	5V µpwr LDO source & sink reg.	3.05	2.82	2.68
1730929	LT1121CST-3.3♻♠	SOT-223	3.3V µpwr LDO source & sink reg.	3.25	3.06	2.91
1730945	LT1121CST-5♻♠	SOT-223	5V µpwr LDO source & sink reg.	3.25	3.06	2.91
1730961	LT1121IS8-5♠	SOIC-8	5V µpwr LDO source & sink reg., I-temp	3.65	3.41	3.24
1730988	LT1121IST-3.3♠	SOT-223	3.3V µpwr LDO source & sink reg., I-temp	3.89	3.63	3.46
1731171	LT1129CQ-5	DDPAK-5	5V µpwr LDO reg. w/ shutdown	4.65	4.33	4.12
1731180	LT1129CS8♠	SOIC-8	µPwr LDO reg. w/ shutdown	4.75	4.46	4.24
1731198	LT1129CS8-3.3	SOIC-8	3.3V µpwr LDO reg. w/ shutdown	4.75	4.46	4.24
1731227	LT1129CS8-5♻♠	SOIC-8	5.0V µpwr LDO reg. w/ shutdown	4.75	4.46	4.24
1731260	LT1129CST-5♻	SOT-223	5.0V µpwr LDO reg. w/ shutdown	4.25	3.98	3.79
1731358	LT1129IS8	SOIC-8	µPwr LDO reg. w/ shutdown, I-temp	5.65	5.28	5.02
1731382	LT1129IS8-5	SOIC-8	5.0V µpwr LDO reg. w/ shutdown, I-temp	5.65	5.28	5.02
1731403	LT1129IST-3.3	SOT-223	3.3V µpwr LDO reg. w/ shutdown, I-temp	4.75	4.46	4.24
1731411	LT1129IST-5	SOT-223	5.0V µpwr LDO reg. w/ shutdown, I-temp	4.75	4.46	4.24
1732300	LT1175CQ	DDPAK-5	500mA neg. LDO µpwr reg.	5.85	5.49	5.22
1732318	LT1175CQ-5♠	DDPAK-5	5V 500mA negative LDO µpwr reg.	5.85	5.49	5.22
1732334	LT1175CS8♻	SOIC-8	500mA negative LDO µpwr reg.	5.45	5.07	4.82
1732351	LT1175CS8-5♻	SOIC-8	5V 500mA negative LDO µpwr reg.	5.45	5.07	4.82
1732369	LT1175CST-5	SOT-223	5V 500mA negative LDO µpwr reg.	4.89	4.57	4.35
1732414	LT1175IS8-5	SOIC-8	5V 500mA neg. LDO µpwr reg., I-temp	6.99	6.54	6.22
1732713	LT1185CQ♻	DDPAK-5	Low drop out reg.	6.75	6.33	6.02
1732721	LT1185CT	TO-220/5	Low drop out reg.	6.55	6.09	5.80
1737741	LT1521CST-3.3♠	SOT-223	3.3V 300mA LDO w/ µpwr curr. & shtdwn	3.35	3.10	2.95
1737768	LT1521CST-5♠	SOT-223	5.0V 300mA LDO w/ µpwr curr. & shtdwn	3.35	3.10	2.95
1737784	LT1521IS8♠	SOIC-8	300mA LDO w/ µpwr curr. & shtdwn, I-temp	5.05	4.71	4.49
1737821	LT1521IST-3.3♠	SOT-223	3.3V 300mA LDO w/ µpwr curr. & shtdwn, I-temp	4.75	4.43	4.22
1737881	LT1529CQ-3.3♻♠	DDPAK-5	3.3V 3.0A LDO w/ µpwr curr. & shtdwn	5.95	5.56	5.29

Linear Tech Low Drop-Out Voltage Regulators (Cont.)

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1737910	LT1529CT-5♠	TO-220/5	5.0V 3.0A LDO w/ µpwr curr. & shtdwn	$5.45	$5.07	$4.82
1737952	LT1529IQ-5♻♠	DDPAK-5	5.0V 3.0A LDO w/ µpwr curr. & shtdwn, I-temp	6.75	6.33	6.02
1738189	LT1580CQ♠	DDPAK-5	7.0A very low dropout reg.	9.25	8.65	8.23
1738200	LT1580CR-2.5♠	DDPAK-7	2.5V 7.0A very low drop out reg.	9.55	8.93	8.50
1738357	LT1585CM-3.3♻♠	DDPAK-3	3.3V 4.6A LDO fast response pos. reg.	7.75	7.24	6.89
1738381	LT1585CT-3.3♠	TO-220/3	3.3V 4.6A LDO fast response pos. reg.	7.15	6.68	6.36
1738429	LT1587CM-1.5♠	DDPAK-3	1.5V 3.0A LDO fast response GTL+ reg.	6.55	6.12	5.82
1738461	LT1587CM-3.3♻♠	DDPAK-3	3.3V 3.0A LDO fast response positve reg.	6.55	6.09	5.80
1740131	LT1762EMS8♻♠	MSOP-8	Adj. 150mA Low noise LDO µpwr reg.	1.95	1.83	1.74
1740166	LT1762EMS8-3.3♠	MSOP-8	3.3V 150mA Low noise LDO µpwr reg.	1.95	1.83	1.74
1740182	LT1762EMS8-5♻♠	MSOP-8	5.0V 150mA Low noise LDO µpwr reg.	1.95	1.83	1.74
1740191	LT1763CDE♠	DFN-12	Adj. 500mA low noise LDO µpwr reg., I-temp	4.19	3.93	3.74
1740246	LT1763CS8♻♠	SOIC-8	Adj. 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740254	LT1763CS8-1.5♻♠	SOIC-8	1.5V 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740271	LT1763CS8-2.5♠	SOIC-8	2.5V 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740289	LT1763CS8-3♠	SOIC-8	3.0V 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740300	LT1763CS8-3.3♠	SOIC-8	3.3V 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740318	LT1763CS8-5♠	SOIC-8	5.0V 500mA low noise LDO µpwr reg., I-temp	3.45	3.24	3.08
1740334	LT1764AEQ♠	DDPAK-5	Adj. 3A fast trans. resp. low noise LDO, I-temp	7.65	7.16	6.81
1740342	LT1764AEQ-1.5♠	DDPAK-5	1.5V 3A fast trans. resp. low noise LDO, I-temp	7.65	7.16	6.81
1740369	LT1764AEQ-1.8♠	DDPAK-5	1.8V 3A fast trans. resp. low noise LDO, I-temp	7.65	7.16	6.81
1740406	LT1764AEQ-2.5♻♠	DDPAK-5	2.5V 3A fast trans. resp. low noise LDO, I-temp	7.65	7.16	6.81
1740422	LT1764AEQ-3.3♠	DDPAK-5	3.3V 3A fast trans. resp. low noise LDO, I-temp	7.65	7.16	6.81
1740473	LT1764EQ♻♠	DDPAK-5	Adj. 3A fast trans. resp. low noise LDO	7.65	7.16	6.81
1740502	LT1764EQ-1.8♻♠	DDPAK-5	1.8V 3A fast trans. resp. low noise LDO	7.65	7.16	6.81
1740529	LT1764EQ-2.5♻♠	DDPAK-5	2.5V 3A fast trans. resp. low noise LDO	7.65	7.16	6.81
1740553	LT1764EQ-3.3♻♠	DDPAK-5	3.3V 3A fast trans. resp. low noise LDO	7.65	7.16	6.81
1742575	LT1962EMS8♻♠	MSOP-8	Adj. 300mA low noise µpwr LDO	3.05	2.82	2.68
1742621	LT1962EMS8-3.3♻♠	MSOP-8	3.3V 300mA low noise µpwr LDO	3.05	2.82	2.68
1742663	LT1963AEQ♻♠	DDPAK-5	Adj. 1.5A low noise fast trans. resp. LDO	5.35	5.02	4.78
1742701	LT1963AEQ-1.8♻♠	DDPAK-5	1.8V 1.5A low trans. resp. LDO reg.	5.35	5.02	4.78
1742743	LT1963AEQ-3.3♠	DDPAK-5	3.3V 1.5A low trans. resp. LDO reg.	5.35	5.02	4.78
1742760	LT1963AES8♻♠	SOIC-8	Adj. 1.5A fast trans. resp. LDO reg.	3.95	3.66	3.48
1742823	LT1963AES8-3.3♠	SOIC-8	3.3V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1742858	LT1963AEST-1.5♻♠	SOT-223	1.5V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1742874	LT1963AEST-1.8♻♠	SOT-223	1.8V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1742882	LT1963AEST-2.5♠	SOT-223	2.5V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1742997	LT1963EQ♻♠	DDPAK-5	Adj. 1.5A low noise fast trans. resp. LDO	5.35	5.02	4.78
1743041	LT1963EQ-2.5♠	DDPAK-5	2.5V 1.5A low noise fast trans. resp. LDO	5.35	5.02	4.78
1743068	LT1963ES8♠	SOIC-8	Adj. 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1743164	LT1963EST-1.8♠	SOT-223	1.8V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1743201	LT1963EST-3.3♻♠	SOT-223	3.3V 1.5A low noise fast trans. resp. LDO	3.95	3.66	3.48
1743252	LT1963ET-3.3♠	TO-220/5	3.3V 1.5A low noise fast trans. resp. LDO	4.55	4.22	4.02
1743594	LT3010EMS8E♻♠	MSOP-8	Adj. 50mA 3V to 80V LDO µpwr linear	3.35	3.14	2.99
1743615	LT3010EMS8E-5♻♠	MSOP-8	5V 50mA 3V to 80V LDO µpwr linear	3.35	3.14	2.99
1743800	LT3021ES8-1.2♻♠	SOIC-8	1.2V 500mA low volt, low dropout linear	4.85	4.52	4.30
1743834	LT3024EDE♠	DFN-12	Dual 100mA/500mA LDO low noise µpwr	5.25	4.92	4.69

Texas Instruments Low Drop-Out Volt. Reg.

For more TI LDO Regulators visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
700470	TPS78601KTTT♻♠	TO-263/5	Ultralow-noise, fast, RF, 1.5A LDO linear reg.	★	Call	Call
700496	TPS78625KTTT♠	TO-263/5	Ultralow-noise, high-PSRR, 1.5A LDO linear reg.	★	Call	Call
700533	TPS79501DCQ♠	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	2.09	2.03	1.98
700541	TPS79518DCQ♻♠	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Texas Instruments Low Drop-Out Volt. Reg. (Cont.)

Part No.	Product No.	Pkg/Pins	Description	1	10	100
700550	TPS79525DCQ♻♠	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	$2.09	$2.03	$1.98
700576	TPS79601DCQ♠	SOT-223	Ultralow-noise, high-PSSR, 1A LDO linear reg.	2.19	2.13	2.07
700584	TPS79601KTTT♻♠	TO-263/5	Ultralow-noise, high-PSSR, 1A LDO linear reg.	★	Call	Call
700592	TPS79633DCQ♠	SOT-223	Ultralow-noise, high-PSSR, 1A LDO linear reg.	2.19	2.13	2.07
763972	TPS79718DCKT	SC70/5	Ultra-LP 10mA LDO linear reg. w/ pwr good output ..	.78	.63	.59

★ Please call or visit our website for minimum order quantity and pricing

Low Drop-Out Voltage Regulators

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
299743	LM1084IT-ADJ⊕	TO-220	5A low drop out adj. pos. volt. reg. ..	$1.99	$1.52	$1.13
299735	LM1084IT-3.3	TO-220	5A low drop out 3.3V pos. volt. reg. ..	2.95	2.51	1.88
282757	LT1085CT	TO-220	3A low drop pos volt reg. adj./fixed ...	1.34	1.21	.91
192305	LM1086CT-3.3⊕	TO-220/3	1.5A low dropout positive reg. (3.3V)	1.09	.81	.60
192313	LM1086CT-5.0⊕	TO-220/3	1.5A low dropout positive reg. (5V) ...	1.49	1.27	.95
251782	LM1117MPX-ADJ	SOT-223/3	800mA low drop out linear regulator ...	.56	.528	.476
242114	LM1117T-3.3⊕	TO-220/3	800mA, 3.3V, LDO voltage reg.	.66	.63	.57
314326	AP1184K5L♻	TO-263/5	4A ultra LDO adj. reg.	5.29	3.69	3.29
192495	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.45	1.11	.81
107182	LM2940CT-5⊕	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
121064	LM2941CT	TO-220/5	1A LDO adjustable reg. (45Vin)	1.55	1.15	.85
192524	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.95	1.46	1.09

Fairchild Voltage Regulators

For more Fairchild Volt. Reg. visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
786138	LM7805CT_NL♻	TO-220	5V, 1A pos. voltage reg., I-temp	$.64	$.54	$.40
973831	LM78L05ACZ_NL♻	TO-92	5V, 100mA pos. voltage reg., I-temp ...	.24	.216	.194
871658	MC78T12CT♻	TO-220	12V, 3A pos. voltage reg., I-temp	1.13	.93	.75

National Semiconductor Voltage Regulators

For more National Volt. Reg. visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
898543	LM317LZ/NOPB♻	TO-92	Adjustable, 100mA positive volt reg.	$.35	$.274	$.235
898800	LM317T/NOPB♻	TO-220	Adjustable, 1.5A positive volt reg.	1.01	.94	.88
898990	LM320T-5.0	TO-220	-5V, 1.5A negative voltage regulator ..	1.00	.82	.75
838401	LM334M/NOPB♻	SOIC-8	Adjustable current source	.91	.81	.71
900017	LM340T-5.0	TO-220	5V, 1A positive volt regulator, I-temp	1.02	.91	.83
107166	LM2936Z-5	TO-92	Ultra-low quiescent current 5V reg.	2.59	1.93	1.33
902186	LM78L05ACM	SOIC-8	5V, 100mA positive volt regulator	.37	.321	.301
902291	LM78L05ACZ	TO-92	5V, 100mA positive volt regulator	.72	.52	.377
902442	LM78L15ACZ	TO-92	15V, 100mA positive volt regulator ..... ✳		.271	.257
902071	LM7805CT	TO-220	5V, 1A positive voltage regulator	.98	.92	.86
840886	LM7808CT/NOPB♻	TO-220	8V, 1A positive voltage reg., I-temp ...	1.23	1.09	.95
902127	LM7812CT	TO-220	12V, 1A positive voltage regulator	1.05	.90	.85
902805	LM79L05ACZ	TO-92	-5V, 100mA negative voltregulator ..... ✳		.36	.35
841256	LM79L15ACM/NOPB♻	SOIC-8	-15V, 100mA negative volt regulator ...	.38	.367	.344

ON Semiconductor Voltage Regulators

For more ON Semi Volt. Reg. visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
876037	MC7805ACD2TG♻	D2PAK	5V, 1A pos. volt reg., C-temp	$.80	$.73	$.65
876053	MC7805ACT	TO-220/3	5V, 1A pos. volt reg., I-temp	.52	.386	.354
797267	MC7805ACTG♻	TO-220/3	5V, 1A pos. volt reg., C-temp	.45	.375	.348
876109	MC7805BT	TO-220	5V, 1A pos. volt reg., I-temp	.47	.441	.397
876125	MC7805BTG♻	TO-220/3	5V, 1A pos. volt reg., I-temp	.31	.255	.236
797283	MC7805CD2TG♻	D2PAK	5V, 1A pos. volt reg., C-temp	.39	.342	.293
876221	MC7805CT	TO-220	5V, 1A pos. volt reg., I-temp	.43	.416	.374
876248	MC7805CTG♻	TO-220/3	5V, 1A pos. volt reg., C-temp	.32	.272	.256
876969	MC78M05BT	TO-220/3	5V, 500mA pos. volt reg., I-temp	.74	.62	.49
797304	MC7806ACT	TO-220/3	6V, 1A pos. volt reg., C-temp	.54	.432	.324
876281	MC7808ACT	TO-220/3	8V, 1A pos. volt reg., C-temp	.57	.52	.392
797363	MC7808CD2T♠	D2PAK	8V, 1A pos. volt reg., C-temp	.50	.447	.406

ON Semiconductor Voltage Reg. (Cont.)

For more ON Semi Volt. Reg. visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg/Pins	Description	1	10	100
797380	MC7808CTG♻	TO-220/3	8V, 1A pos. volt reg., C-temp ..... ✳		$.268	$.248
876352	MC7809CT	TO-220/3	9V, 1A pos. volt reg., C-temp	.56	.466	.373
797435	MC7812ACTG♻	TO-220/3	12V, 1A pos. volt reg., C-temp	.31	.254	.235
876395	MC7812BT	TO-220/3	12V, 1A pos. volt reg., I-temp	.59	.49	.392
876441	MC7812CTG♻	TO-220/3	12V, 1A pos. volt reg., C-temp	.35	.287	.267
797451	MC7815ACTG♻	TO-220/3	15V, 1A pos. volt reg., C-temp	.31	.255	.236
876547	MC7815CTG♻	TO-220/3	15V, 1A pos. volt reg., C-temp	.35	.291	.254
797507	MC78L05ACDG♻♠	SOIC-8	5V, 100mA pos. volt reg., C-temp ..... ✳		.369	.333
876715	MC78L05ACP♠	TO-92/3	5V, 100mA pos. volt reg., C-temp ..... ✳		.14	.114
876791	MC78L08ACPG♻	TO-92/3	8V, 100mA pos. volt reg., C-temp	.38	.317	.23
876811	MC78L09ACD♠	SOIC-8	9V, 100mA pos. volt reg., C-temp ..... ✳		.185	.173
876942	MC78L15ACP	TO-92/3	15V, 100mA pos. volt reg., C-temp	.27	.195	.162
797566	MC78M05CTG♻	TO-220/3	5V, 500mA pos. volt reg., C-temp	.55	.50	.475
797697	MC78M15BTG♻	TO-220/3	15V, 500mA pos. volt reg., I-temp	.61	.547	.49
797777	MC7905.2CTG♻	TO-220/3	-5.2V, 1A neg. volt reg., C-temp	.55	.50	.46
877136	MC7905BT	TO-220/3	-5V, 1A neg. volt reg., I-temp ..... ✳		.252	.229
877179	MC7905CTG♻	TO-220/3	-5V, 1A neg. volt reg., C-temp	.56	.439	.32
877216	MC7908CT	TO-220/3	-8V, 1A neg. volt reg., C-temp	.40	.338	.25
877275	MC7912CTG♻	TO-220/3	-12V, 1A neg. volt reg., C-temp	.56	.456	.36
797890	MC7915CTG♻	TO-220/3	-15V, 1A neg. volt reg., C-temp	.35	.287	.268
877451	MC79L05ACPG♻	TO-92/3	-5V, 100mA neg. volt reg., C-temp	.33	.272	.235
877531	MC79L15ACP	TO-92/3	-15V, 100mA neg. volt reg., I-temp	.39	.35	.31
877574	MC79M12CT♠	TO-220/3	-12V, 500mA neg. volt reg., C-temp ..... ✳		.30	.25
871105	MC33063AP1	DIP-8	1.5A Step-up/down inverting switch reg. ...	.95	.79	.63

ST Micro Voltage Regulators

For more ST Micro Volt. Reg. visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
924570	L7805ACV	TO-220	5V 1.5A pos. voltage regulator	$.71	$.56	$.42
924609	L7805CT♻	TO-3	5V 1.5A pos. voltage regulator	2.19	2.10	1.99
924633	L7805CV♻	TO-220	5V 1.5A pos. voltage regulator	.59	.47	.35
889428	L78L05ACZ♻	TO-92	5V 100mA pos. voltage regulator	.53	.423	.318
889305	L7812CV	TO-220	12V 1.5A pos. voltage regulator	.59	.47	.35
889495	L7905CV	TO-220	5V 1.5A neg. voltage regulator	.64	.51	.38

Texas Instruments Voltage Regulators

For more TI Volt. Regulators visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
764094	UA7805CKC	TO-220	5V, 1.5A pos. voltage reg., I-temp	$.64	$.52	$.47
764131	UA78L05ACD♻	SOIC-8	5V, 100mA pos. voltage reg., I-temp ...	.36	.30	.27
764203	UA78L05ACLPR	TO-92	5V, 100mA pos. voltage reg., I-temp	.21	.176	.167
764254	UA78L08ACLP	TO-92	8V 100mA pos. voltage reg., I-temp	.43	.392	.314

Voltage Regulators

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
23499	LM309K	TO-3/2	5V 1A regulator (0˚C to +125˚C)	$5.89	$5.34	$4.11
192268	LM317AT	TO-220/3	3-terminal adjustable reg. (1.2V-37V)	1.75	1.25	.95
192276	LM317HVT	TO-220/3	3-terminal adjustable reg. (1.2V-57V)	1.99	1.77	1.31
23544	LM317K♻	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	2.09	1.91	1.77
23552	LM317LZ♻	TO-92	100mA adj. pos. reg. (1.2V-37V)	.28	.264	.224
23579	LM317T⊕**	TO-220/3	1.5A adj. pos. reg. (1.2V-37V)	.45	.39	.34
23667	LM323K♻	TO-3/2	5V 3A positive regulator	2.89	2.75	2.29
296841	LM337LZ	TO-92	3-terminal adj. neg. voltage reg.	.79	.59	.43
23819	LM337T⊕*	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V)	.59	.55	.44
23835	LM338K♻	TO-3/2	5A adj. pos. reg. (1.2V-32V)	5.69	4.47	3.74
192284	LM338T⊕	TO-220/3	5A adjustable regulator	2.39	1.78	1.19
23931	LM350K♻	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V)...	4.75	4.25	3.19
23940	LM350T	TO-220/3	3 amp. adj. power regulator	1.09	.89	.69
278248	TL431AILP	TO-92	Adjustable precision shunt regulator	.41	.34	.252
24467	LM723CN♻*	DIP-14	Voltage regulator (2V-37V)	.46	.405	.388

*10 pieces included in Linear kit, pg 31 **20 pcs. included in Linear kit, pg 31

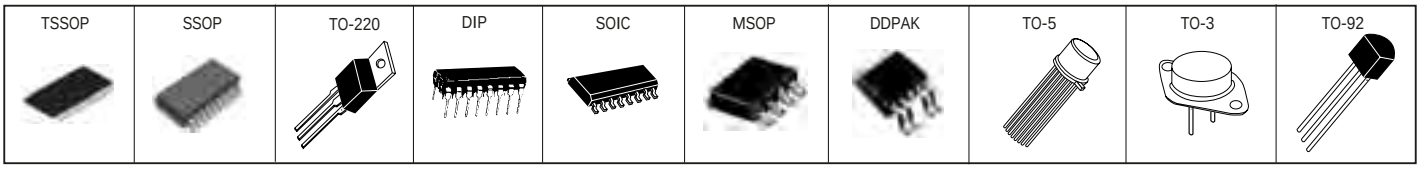
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Voltage & Switching Regulators, Power Drivers & Modules

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Voltage Regulators (Cont.)

Please Note: Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
301719	LM723H	TO-5	2V - 37V, 150mA adj. voltage reg.	$3.69	$2.83	$2.12
298071	MAX755CSA	SOIC-8	-5V/adj., neg. output, invert, curr. mode PWM reg.	2.39	1.98	1.66
51246	7805K	TO-3/2	5V 1A pos. voltage reg. (LM340K-5)	5.15	3.95	2.95
51262	7805T⊕ **	TO-220/3	5V 1A pos. voltage reg. (LM340T-5)	.35	.32	.28
51182	78L5CZ⊕ **	TO-92	5V 100mA pos. voltage regulator	.29	.26	.25
192233	78M05	TO-220/3	5V 500mA pos. voltage regulator	.22	.19	.17
51297	7806T⊕	TO-220/3	6V 1A pos. voltage reg. (LM340T-6)	.30	.25	.21
51300	7808CT⊕ *	TO-220/3	8V 1A pos. voltage reg. (LM340T-8)	.56	.42	.316
192225	78L09ACZ	TO-92	9V 100mA pos. voltage regulator	.20	.173	.13
51318	7812K	TO-3/2	12V 1A pos. voltage reg. (LM340K-12)	2.19	1.79	1.59
51334	7812T⊕ **	TO-220/3	12V 1A pos. voltage reg. (LM340T-12)	.35	.32	.24
51203	78L12CZ*	TO-92	12V 100mA pos. voltage regulator	✳	.131	.098
192241	78M12CT	TO-220/3	12V 500mA pos. voltage regulator	.22	.20	.18
51369	7815K	TO-3/2	15V 1A pos. voltage reg. (LM340K-15)	1.43	1.22	.92
51377	7815T⊕ *	TO-220/3	15V 1A pos. voltage reg. (LM340T-15)	.28	.25	.22
194634	7818T	TO-220/3	18V 1A pos. voltage reg. (LM340T-18)	.54	.42	.312
51414	7824T⊕	TO-220/3	24V 1A pos. voltage reg. (LM340T-24)	.44	.39	.31
51457	7905T*	TO-220/3	-5V 1A neg. voltage reg. (LM320T-5)	.42	.38	.36
51422	79L05ACP	TO-92	-5V 100mA neg. voltage regulator	.30	.264	.198
51481	7912CT*	TO-220/3	-12V 1A neg. voltage reg. (LM320T-12)	.31	.27	.21
51431	79L12CZ	TO-92	-12V 100mA neg. voltage regulator	.23	.21	.16
51502	7915CT⊕ *	TO-220/3	-15V 1A neg. voltage reg. (LM320T-15)	.32	.27	.22
316945	MC34063AP1	DIP-8	1.5A Step-up/down inverting switch reg	.66	.56	.421

*10 pieces included in Linear kit, pg 31 **20 pcs. included in Linear kit, pg 31

Power Drivers & Modules

For more LTC Power Drivers visit www.Jameco.com

Part No.	Product No.	Pkg	Description	1	10	100
1727877	LT1026CN8 ♻♠	DIP-8	Voltage converter	$3.75	$3.52	$3.35
1745531	LTC1044ACS8♠	SOIC-8	12V CMOS volt converter, C-temp	4.39	4.11	3.91
1731841	LT1161CSW♠	SOIC-20	Quad protected hi-side MOSFET driver	6.45	6.05	5.76
1747190	LTC1255CS8♠	SOIC-8	Dual 24V high-side MOSFET driver	5.65	5.28	5.02
1747405	LTC1263CS8 ♻♠	SOIC-8	12V, 60mA flash memory prog. supply	6.95	5.66	5.38
1750170	LTC1477CS8♠	SOIC-8	Single protected hi-side switches	6.25	5.84	5.56
1757451	LTC3401EMS ♻♠	MSOP-10	1A 3MHz µpwr sync. boost convtr	4.65	4.36	4.15
1757478	LTC3402EMS ♻♠	MSOP-10	2A 3MHz µpwr sync. boost convtr	6.25	5.82	5.54
1744221	LT3471EDD ♻♠	DFN-10	Dual 1.3A 1.2MHz boost/inverter	4.99	4.69	4.46
1758673	LTC3780EG♠	SSOP-24	Hi-eff., sync. 4-sw. buck-boost contr.	9.99	9.34	8.89
1758841	LTC3828EUH ♻♠	QFN-32	Dual 2-phase stp-dwn contr. w/ tracking	9.99	9.34	8.89

Switching Regulators

For more LTC Switching Regulators visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1745573	LTC1044CN8♠	DIP-8	Switched-capacitor volt converter	$3.09	$2.89	$2.75
1728360	LT1054CN8 ♻	DIP-8	Switched-cap. volt converter w/ reg.	5.79	5.05	4.60
1728386	LT1054CS8 ♻	SOIC-8	Switched-cap. volt converter w/ reg.	5.15	4.78	4.55
1728394	LT1054CSW♠	SOIC-16	Switched-cap. volt converter w/ reg.	6.05	5.63	5.35
1728431	LT1054IS8 ♻♠	SOIC-8	Switched-cap. volt converter w/ reg.	8.65	8.09	7.69
1728626	LT1070CT ♻	TO-220/5	5A high efficiency switching reg.	10.65	9.96	9.47
1728634	LT1070HVCT♠	TO-220/5	5A high efficiency switching reg.	13.79	12.89	12.27
1728706	LT1072CT♠	TO-220/5	1.25A high efficiency switching reg.	5.65	5.28	5.02
1728781	LT1074CT7 ♻♠	TO-220/7	5A Step-down switching regulator	10.79	10.08	9.59
1728790	LT1074HVCT	TO-220/5	5A Step-down switching regulator	13.89	13.01	12.38
1728802	LT1074HVCT7	TO-220/7	5A Step-down switching regulator	15.39	14.41	13.71
1728888	LT1074IT#06♠	TO-220/5	5A Step-down switching regulator	12.55	11.71	11.15
1728917	LT1076CQ	DDPAK-5	2A step down switching regulator	7.55	7.03	6.69
1728968	LT1076CR♠	DDPAK-7	2A step down switching regulator	8.15	7.62	7.25
1729021	LT1076HVCT	TO-220/5	2A step down switching regulator	11.39	10.66	10.14
1746373	LTC1144CN8 ♻♠	DIP-8	Switched cap. volt conv. w/ shtdwn	4.55	4.22	4.02

Switching Regulators (Cont.)

For more LTC Switching Reg. visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1746381	LTC1144CS8 ♻♠	SOIC-8	Switched cap. volt conv. w/ shtdwn	$4.65	$4.36	$4.15
1746402	LTC1144IS8♠	SOIC-8	Switched cap. volt conv. w/ shtdwn, I-temp	5.35	4.99	4.75
1731956	LT1170CQ	DDPAK-5	5A 100KHz hi eff. switching reg.	11.39	10.66	10.14
1731981	LT1170CT♠	TO-220/5	5A 100KHz hi eff. switching reg.	10.65	9.96	9.47
1732001	LT1170HVCT♠	TO-220/5	5A 100KHz hi eff. switching reg.	13.79	12.89	12.27
1732043	LT1171CQ ♻♠	DDPAK-5	2.5A 100KHz hi eff. switching reg.	9.39	8.79	8.36
1732078	LT1171CT ♻♠	TO-220/5	2.5A 100KHz hi eff. switching reg.	8.65	8.09	7.69
1732140	LT1172CN8♠	DIP-8	1.25A 100KHz hi eff. switching reg.	4.39	4.11	3.91
1732158	LT1172CQ♠	DDPAK-5	1.25A 100KHz hi eff. switching reg.	6.39	5.98	5.69
1732174	LT1172CS8 ♻♠	SOIC-8	1.25A 100KHz hi eff. switching reg.	5.39	5.04	4.79
1732203	LT1172CT ♻	TO-220/5	1.25A 100KHz hi eff. switching reg.	5.65	5.28	5.02
1732246	LT1172IS8	SOIC-8	1.25A 100KHz hi eff. switching reg., I-temp	7.05	6.57	6.25
1732473	LT1176CSW-5♠	SOIC-20	1A step down switching regulator	8.15	7.62	7.25
1733871	LT1270ACT	TO-220/5	8A high eff. switching reg.	15.79	14.76	14.05
1733880	LT1270CT	TO-220/5	10A high eff. switching reg.	10.65	9.96	9.47
1734938	LT1370CR ♻	DDPAK-7	500KHz hi eff. 6A switching reg., C-temp	11.15	10.41	9.90
1735009	LT1370IR	DDPAK-7	500KHz hi eff. 6A switching reg., I-temp	13.39	12.51	11.91
1735033	LT1371CR ♻	DDPAK-7	500KHz hi eff. 3A switching reg., I-temp	9.65	9.00	8.56
1735068	LT1371IR♠	DDPAK-7	500KHz hi eff. 3A switching reg., I-temp	11.45	10.69	10.17
1735092	LT1372CS8 ♻	SOIC-8	500KHz&1MHz hi eff. 1.5A swtc. reg., C-temp	6.75	6.33	6.02
1735121	LT1372IS8	SOIC-8	500KHz&1MHz hi eff. 1.5A swtc. reg., I-temp	8.15	7.60	7.23
1735148	LT1373CS8♠	SOIC-8	250KHz low sup. curr. hi eff. 1.5A swtc. reg.	6.75	6.33	6.02
1735228	LT1374CR-5 ♻♠	DDPAK-7	4.5A 500KHz step-dwn swtc. reg.	8.25	7.74	7.36
1735359	LT1374HVCR♠	DDPAK-7	4.5A 500KHz step-dwn, C-temp	9.25	8.65	8.23
1735404	LT1374HVIR ♻♠	DDPAK-7	4.5A 500KHz step-dwn, I-temp	10.55	9.84	9.37
1735421	LT1374IR♠	DDPAK-7	4.5A 500KHz step-dwn I-temp	9.45	8.86	8.43
1735455	LT1374IS8♠	SOIC-8	4.5A 500KHz step-dwn, I-temp	8.65	8.09	7.69
1735551	LT1376CS8 ♻♠	SOIC-8	1.5A 500KHz step-dwn, C-temp	5.75	5.35	5.09
1735594	LT1376HVCS8♠	SOIC-8	1.5A 500KHz step- dwn, C-temp	6.35	5.91	5.62
1735623	LT1376HVIS8 ♻♠	SOIC-8	1.5A 500KHz step-dwn swtc. reg., I-temp	7.59	7.10	6.76
1735682	LT1377CS8 ♻♠	SOIC-8	500KHz & 1MHz hi eff. 1.5A swtc. reg.	7.89	7.38	7.03
1749401	LTC1435CS ♻♠	SOIC-16	Hi eff. low noise sync. step-dwn swtc. reg.	7.39	6.91	6.57
1737274	LT1506CR♠	DDPAK-7	4.5A 500KHz step-dwn swtc. reg., C-temp	8.25	7.74	7.36
1737311	LT1506CS8 ♻♠	SOIC-8	4.5A 500KHz step-dwn swtc. reg., C-temp	7.55	7.03	6.69
1737338	LT1506CS8-3.3 ♻♠	SOIC-8	4.5A 500KHz step-dwn swtc. reg., C-temp	7.55	7.03	6.69
1737426	LT1507CS8♠	SOIC-8	500KHz monolithic buck mode swtc. reg.	6.75	6.33	6.02
1737434	LT1507CS8-3.3♠	SOIC-8	500KHz monolithic buck mode swtc. reg.	6.75	6.33	6.02
1750604	LTC1530CS8 ♻♠	SOIC-8	Hi pwr sync. switching reg. controller	5.05	4.71	4.49
1751826	LTC1624CS8 ♻♠	SOIC-8	Hi eff. N-ch swtc. reg. controller, C-temp	6.45	6.05	5.76
1751842	LTC1624IS8 ♻♠	SOIC-8	Hi eff. N-ch swtc. reg. controller, I-temp	8.25	7.74	7.36
1751851	LTC1625CGN♠	SSOP-16	No RSENSE™ curr. mode sync. stp-dwn, C-temp	8.75	8.16	7.76
1751877	LTC1625CS ♻♠	SOIC-16	No RSENSE™ curr. mode sync. stp-dwn, C-temp	8.19	7.67	7.29
1751906	LTC1625IS ♻♠	SOIC-16	No RSENSE™ curr. mode sync. stp-dwn, I-temp	10.15	9.49	9.03
1751949	LTC1628CG-PG ♻♠	SSOP-28	Hi eff. 2-phase sync. step-dwn swtc. reg.	8.19	7.67	7.29
1752036	LTC1629CG-PG ♻♠	SSOP-28	Poly-phase hi-eff. sync. stp-dwn swtc. reg.	10.99	10.29	9.79
1752335	LTC1649CS♠	SOIC-16	3.3V input hi pwr step-dwn swtc. reg. contr.	6.69	6.26	5.96
1739472	LT1676CS8♠	SOIC-8	Hi-eff. step-dwn swtc. reg., C-temp	4.89	4.57	4.35
1739499	LT1676IS8♠	SOIC-8	Hi-eff. step-dwn swtc. reg., I-temp	5.79	5.42	5.15
1753194	LTC1702ACGN ♻♠	SSOP-24	Dual 550KHz sync. 2-ph. swtc. reg. contr.	8.45	7.90	7.52
1753602	LTC1735CF ♻♠	TSSOP-20	Hi eff. sync. step-dwn switching reg.	5.89	5.50	5.23
1753629	LTC1735CGN ♻♠	SSOP-16	Hi eff. sync. step-dwn switching reg.	5.75	5.35	5.09
1753645	LTC1735CS♠	SOIC-16	Hi eff. sync. step-dwn swtc. reg., C-temp	5.49	5.14	4.89
1753725	LTC1735IS ♻♠	SOIC-16	Hi eff. sync. step-dwn swtc. reg., I-temp	7.35	6.89	6.56
1740676	LT1765ES8 ♻♠	SOIC-8	Mono 3A 1.25MHz step-dwn swtc. reg.	8.35	7.78	7.40
1740705	LT1766EGN ♻♠	SSOP-16	5.5-60V 1.5A 200KHz stp-dwn, I-temp	6.49	6.08	5.78
1740748	LT1767EMS8 ♻♠	MSOP-8	Mono 1.5A 1.25MHz stp-dwn, I-temp	5.19	4.85	4.62
1740764	LT1767EMS8-3.3♠	MSOP-8	Mono 1.5A 1.25MHz stp-dwn, I-temp	5.19	4.85	4.62
1740781	LT1767EMS8-5 ♻♠	MSOP-8	Mono 1.5A 1.25MHz stp-dwn, I-temp	5.19	4.85	4.62

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Thousands of additional ICs are now available on our website.

Switching Regulators (Cont.)

For more LTC Switching Reg. visit www.Jameco.com

Part No.	Product No.	Pkg	Description	1	10	100
1740801	LT1767EMS8E♻♠	MSOP-8	Mono 1.5A 1.25MHz stp-dwn, I-temp	$6.55	$6.13	$5.84
1740861	LT1767EMS8E-3.3♻♠	MSOP-8	Mono 1.5A 1.25MHz stp-dwn, I-temp	6.55	6.13	5.84
1754058	LTC1775IS♠	SOIC-16	Hi pwr No RSENSE™ curr. mode sync. stp-dwn	10.29	9.63	9.17
1740941	LT1776CS8♻♠	SOIC-8	Hi-eff. step-dwn swtc. reg., C-temp	4.75	4.43	4.22
1740967	LT1776IS8♻♠	SOIC-8	Hi-eff. step-dwn swtc. reg., I-temp	5.45	5.07	4.82
1754841	LTC1877EMS8♠	MSOP-8	Hi eff. mono sync. step-down reg.	5.15	4.83	4.59
1754867	LTC1878EMS8♻♠	MSOP-8	Hi eff. mono sync. step-down reg.	4.59	4.29	4.08
1742196	LT1940EFE♻♠	TSSOP-16	Dual mono 1.4A 1.1MHz step-dwn	7.95	7.44	7.08
1742508	LT1959CR♠	DDPAK-7	4.5A 500kHz step-down, C-temp	8.45	7.89	7.51
1742524	LT1959CS8♻♠	SOIC-8	4.5A 500kHz step-down, C-temp	7.79	7.30	6.95
1742532	LT1959IR♠	DDPAK-7	4.5A 500kHz step-down, I-temp	9.59	8.99	8.55
1742559	LT1961EMS8E♻♠	MSOP-8	1.5A 1.25MHz step-up, I-temp	3.05	2.83	2.69
1743341	LT1976EFE♻♠	TSSOP-16	Hi volt 1.5A 200kHz step-dwn, I-temp	8.59	8.03	7.64
1743973	LT3430EFE♠	TSSOP-16	Hi volt 3A 200kHz/100kHz step-dwn	10.65	9.94	9.46
1743981	LT3430IFE♠	TSSOP-16	Hi volt 3A 200kHz/100kHz step-dwn	12.25	11.43	10.88
1757646	LTC3412AEUF♻♠	QFN-16	3A 4MHz monolithic sync. step-down	7.45	6.93	6.60
1757662	LTC3412EFE♻♠	TSSOP-16	2.5A 4MHz monolithic sync. step-down	8.49	7.93	7.55
1757697	LTC3414EFE♻♠	TSSOP-20	4A 4MHz monolithic sync. step-down	9.15	8.54	8.12
1757777	LTC3418EUHF♻♠	QFN-38	8A 4MHz monolithic sync. step-down	12.29	11.52	10.96
1758340	LTC3728EG♻♠	SSOP-28	Dual 550kHz 2-ph. sync. step-down	8.89	8.33	7.92

Hot Swap Controllers

For more LTC Hot Swap Controllers visit www.Jameco.com

Part No.	Product No.	Pkg	Description	1	10	100
1749232	LTC1422CS8♠	SOIC-8	Hot swap controller, C-temp	$5.25	$4.92	$4.69
1749267	LTC1422IS8♻♠	SOIC-8	Hot swap controller, I-temp	6.05	5.63	5.35
1739288	LT1640LIS8♻♠	SOIC-8	Negative voltage hot swap controller	3.85	3.59	3.42
1739341	LT1641CS8♠	SOIC-8	Positive hi volt hot swap controller	4.15	3.87	3.68
1739317	LT1641-2CS8♻♠	SOIC-8	Positive hi volt hot swap controller	4.15	3.87	3.68
1752132	LTC1643ALCGN♠	SSOP-16	PCI bus hot swap controller	7.55	7.03	6.69
1752183	LTC1645CS♠	SOIC-14	Dual channel hot swap contr./pwr sequencer	5.95	5.56	5.29
1752247	LTC1646CGN♠	SSOP-16	Compact PCI dual hot swap controller	6.99	6.54	6.22
1759289	LTC4211CS8♻♠	SOIC-8	With multifunction current control	3.45	3.24	3.08
1744546	LT4250LCS8♻♠	SOIC-8	Negative 48V hot swap controller	4.29	4.01	3.82
1759502	LTC4252A-2CMS♻♠	MSOP-10	Negative volt hot swap controller	5.19	4.85	4.62
1759684	LTC4300-1CMS8♠	MSOP-8	Hot swappable 2-wire bus buffers, C-temp	3.55	3.31	3.15
1759705	LTC4300-1IMS8♻♠	MSOP-8	Hot swappable 2-wire bus buffers, I-temp	4.05	3.80	3.62
1759748	LTC4300A-1CMS8♻♠	MSOP-8	Hot swappable 2-wire bus buffers, C-temp	3.55	3.31	3.15
1759772	LTC4300A-2CMS8♻♠	MSOP-8	Hot swappable 2-wire buffers, C-temp	3.55	3.31	3.15
1759801	LTC4300A-3CMS8♻♠	MSOP-8	Level shifting, 2-wire bus buffer w/ enable	3.55	3.31	3.15

Voltage & Current Ref.

For more LTC Volt. & Curr. Ref. visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1726840	LT1004CS8-1.2	SOIC-8	µPwr voltage reference	$2.95	$2.79	$2.65
1726882	LT1004CZ-1.2♻♠	TO-92/3	µPwr voltage reference	2.39	2.23	2.12
1726903	LT1004IS8-2.5	SOIC-8	µPwr voltage reference, I-temp	5.59	5.38	5.17
1727033	LT1009CZ♻	TO-92/3	2.5V reference	2.69	2.25	2.18
1727068	LT1009S8♻	SOIC-8	2.5V reference	3.15	3.00	2.87
1727447	LT1019ACN8-10	DIP-8	Precision reference	11.29	10.55	10.04
1727543	LT1019CS8-2.5	SOIC-8	Precision reference	8.39	7.85	7.69
1727551	LT1019CS8-4.	SOIC-8	Precision reference	8.39	7.85	7.69
1727586	LT1019CS8-5♻♠	SOIC-8	Precision reference	8.39	7.85	7.47
1727594	LT1019IN8-5♠	DIP-8	Precision reference, I-temp	8.65	8.09	7.69
1727640	LT1021BCN8-5♠	DIP-8	Precision reference	9.65	9.03	8.59
1727703	LT1021CCN8-5♻♠	DIP-8	Precision reference	6.39	5.98	5.69
1727746	LT1021DCN8-5	DIP-8	Precision reference	4.69	4.53	4.37
1727771	LT1021DCS8-5♻	SOIC-8	Precision reference	5.97	5.65	5.40
1727906	LT1027BCN8-5♠	DIP-8	Precision 5V reference	9.15	8.83	8.50
1727914	LT1027BCN8-5♻♠	DIP-8	Precision 5V reference	9.15	8.95	8.75
1727990	LT1027ECS8-5♻♠	SOIC-8	Precision 5V reference	4.59	4.43	4.27
1728036	LT1029ACZ♻♠	TO-92/3	5V bandgap reference	4.55	4.22	4.02
1728052	LT1029CZ♻♠	TO-92/3	5V bandgap reference	2.75	2.58	2.45
1733329	LT1236ACS8-10♻♠	SOIC-8	Precision reference	5.45	5.07	4.82
1733337	LT1236ACS8-5	SOIC-8	Precision reference	6.55	6.12	5.82
1733361	LT1236AIS8-10	SOIC-8	Precision reference, I-temp	6.45	6.05	5.76
1733409	LT1236BCS8-5♠	SOIC-8	Precision reference	3.85	3.59	3.42
1736061	LT1460ACS8-2.5♻♠	SOIC-8	µPwr precision reference	5.95	5.56	5.29
1736212	LT1460EIS8-5♠	SOIC-8	µPwr precision reference, I-temp	4.29	4.01	3.82

Voltage & Current Ref.

For more LTC Volt. & Curr. Ref. visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1736271	LT1460GCZ-2.5♻♠	TO-92/3	µPwr precision reference	$2.99	$2.84	$2.69
1736298	LT1460GIZ-10♠	TO-92/3	µPwr precision reference, I-temp	3.05	2.82	2.68
1736415	LT1461ACS8-2.5♻♠	SOIC-8	µPwr precision LDO volt reference	11.55	10.80	10.28
1736618	LT1461CCS8-5♻♠	SOIC-8	µPwr precision LDO volt ref., C-temp	2.99	2.84	2.69
1738787	LT1634ACS8-1.25♠	SOIC-8	µPwr precision shunt volt reference	7.65	7.17	6.83
1738795	LT1634ACS8-2.5♠	SOIC-8	µPwr precision shunt volt reference	7.65	7.17	6.83
1738859	LT1634AIS8-2.5♠	SOIC-8	µPwr precision shunt volt ref., I-temp	8.55	8.02	7.63

Motorola Audio Amps

For more Motorola Audio Amps visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
316873	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	$.89	$.79	$.69
316865	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	1.23	1.01	.78

ON Semiconductor Audio Amp

For more ON Semi Audio Amps visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
24942	MC1350P	DIP-8	Video IF amp. (12V operation)	$2.49	$2.25	$2.05

Audio Amps

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
24125	LM386N-1⊕*	DIP-8	Low voltage audio amp. 250mW/6V	$.62	$.46	$.38
24133	LM386N-3*	DIP-8	Low voltage audio amp. 500mW/9V	.69	.59	.49

*10 pieces included in Linear kit, pg 31

Audio Amps

For more ST Audio Amps visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
32897	TDA2002V	TO-220/5	8-watt audio high power amp.	$4.50	$4.02	$3.60
315344	TDA2040V	PWAT-5	20W hi-fi audio power amp.	2.05	1.87	1.69

Texas Instruments Audio Amps

For more TI Audio Amps visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	5	50
828545	OPA134PA♻	DIP-8	High performance audio op amp.	$2.39	$2.19	$2.03
275830	OPA2134PA♻	DIP-8	High-performance audio op amp.	2.29	1.85	1.77

National Semiconductor Audio Amps

For more National Semi Audio Amps visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
24037	LM380N	DIP-14	2-watt audio power amp.	$1.31	$.98	$.73
839543	LM380N/NOPB♻	DIP-14	2.5-watt audio power amp.	1.55	1.15	.85
24088	LM383T	TO-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096	LM384N	DIP-14	5-watt audio amp.	1.55	1.15	.85
839797	LM386M-1/NOPB♻	SOIC-8	Low voltage audio power amp.	1.09	.77	.57
839826	LM386N-1/NOPB♻	DIP-8	Low voltage audio power amp.	1.09	.79	.57
841395	LM833N/NOPB♻	DIP-8	Dual audio operational amp.	.95	.69	.57
295718	LM1203N⊕	DIP-28	RGB video amp.	4.55	3.87	2.90
835761	LM1876T♠	TO-220/15	Dual 20W audio power amp w/ mute & standby modes	5.15	4.67	4.26
835788	LM1877M-9/NOPB♻	DIP-14	Dual audio power amp.	1.75	1.27	.93
23288	LM1877N-9⊕	DIP-14	Dual power audio amplifier	1.13	1.02	.93
107140	LM1881N⊕	DIP-8	Video synchronous separator	2.85	2.19	1.66
243547	LM1894N	DIP-14	DNR noise reduction	3.05	2.80	2.10
252013	LM3875T	TO-220/11	56W high perf. audio power amp.	5.19	4.40	4.00
320670	LM3886TF	TO-220/11	68W high perf. audio amp., isol. pkg.	6.35	4.80	4.25
192516	LM3886T	TO-220/11	68W high perf. audio amp.	6.09	4.65	3.65
302201	LM4752T	TO-220	Stereo 11W audio power amp.	2.55	1.92	1.42
901634	LM4765T	TO-220/15	Dual 30W audio power amp w/ mute & standby modes	5.15	3.93	3.55

Instrumentation Amps

For more LTC Amps visit www.Jameco.com

Part No.	Product No.	Pkg	Description	1	10	100
1729952	LT1101CN8♻♠	DIP-8	Prec., µpwr sngl supply, C-temp	$8.75	$8.20	$7.80
1729961	LT1101IN8♠	DIP-8	Precision, µpwr sngl supply, I-temp	10.89	10.20	9.70
1745506	LTC1043CN♻♠	DIP-18	Dual prec. intrument. swtc. cap. building block	5.15	4.81	4.58
1745514	LTC1043CSW♠	SOIC-18	Dual prec. intrument. swtc. cap. building block	5.65	5.28	5.02
1731905	LT1167ACS8	SOIC-8	Sngl resistr gain prog. prec., C-temp	9.69	9.07	8.63
1731921	LT1167AIS8♻♠	SOIC-8	Sngl resistr gain prog. prec., I-temp	11.15	10.41	9.90
1755501	LTC2053IMS8♠	MSOP-8	Prec. r-to-r zero-drift resistor prog., I-temp	6.45	6.05	5.76

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

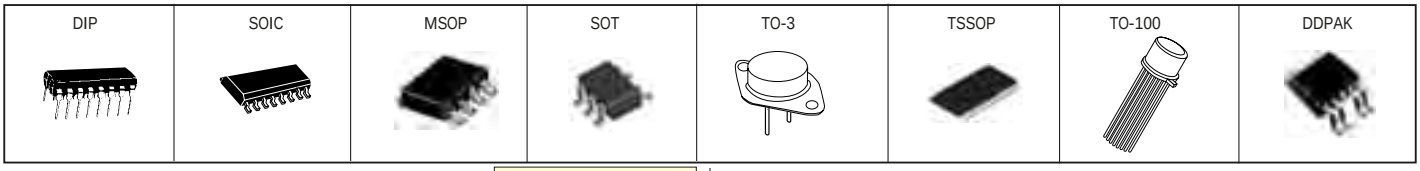
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Amps, Comparators & Buffers

RoHS ♻ RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

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Thousands of additional ICs are now available on our website.



Texas Instruments Instrumentation Amps

For more TI Amps visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	5	50
900682	INA101AM ♻♠	TO-100/10	High-accuracy instrumentaion amp	$42.99	$39.94	$37.63
900720	INA101HP♠	DIP-14	High-accuracy instrumentaion amp	20.55	19.09	17.98
900818	INA110KP ♻♠	DIP-16	Fast-settling FET input instrumentation amp	18.19	16.91	15.93
900965	INA114AU♠	SOIC-16	Precision instrumentaion amp	10.95	10.15	9.56
901466	INA163UA♠	SOIC-14	Low-noise, low-distortion instrumentation amp	6.49	6.04	5.69
906558	PGA202KP ♻♠	DIP-14	Digitally controlled prog gain instrumentation amp	20.15	18.72	17.64
906591	PGA203KP ♻	DIP-14	Digitally controlled prog gain instrumentation amp	20.15	18.72	17.64
826013	INA2126UA♠	SOIC-16	Micropower instrumentaion amp (single & dual)	4.25	3.91	3.68
901546	INA2128UA ♻♠	SOIC-16	Dual, LP instrumentation amp	12.15	11.26	10.61

LINEAR TECHNOLOGY Comparators

For more LTC Comparators visit www.Jameco.com

Part No.	Product No.	Pkg	Description	1	10	100
1727084	LT1011ACN8	DIP-8	Voltage comparator	$5.25	$5.00	$4.83
1727092	LT1011AIS8♠	SOIC-8	Voltage comparator, I-temp	5.35	4.99	4.75
1727121	LT1011CN8 ♻♠	DIP-8	Voltage comparator	2.39	2.23	2.12
1727316	LT1016CN8 ♻♠	DIP-8	Ultrafast precision 10ns comp., C-temp	5.55	5.16	4.91
1727375	LT1017CS8 ♻♠	SOIC-8	µPwr dual comparator, C-temp	4.05	3.76	3.58
1727383	LT1017IN8♠	DIP-8	µPwr dual comparator, I-temp	4.55	4.22	4.02
1727391	LT1017IS8	SOIC-8	µPwr dual comparator, I-temp	4.89	4.57	4.48
1727404	LT1018CN8	DIP-8	µPwr dual comparator	3.39	3.17	3.10
1727421	LT1018CS8	SOIC-8	µPwr dual comparator	3.75	3.52	3.45
1730401	LT1116CS8♠	SOIC-8	12ns sngl supply ground-sensing comp.	6.65	6.22	5.92
1749558	LTC1440CS8♠	SOIC-8	Ultra LP sngle/dual comparator w/ reference	2.79	2.61	2.48
1749671	LTC1444CS ♻♠	SOIC-16	Ultra LP quad comparators w/ reference	4.55	4.22	4.02
1739691	LT1713CMS8 ♻♠	MSOP-8	Sngl 7ns LP 3V/4.5V/±5V rail-to-rail comp.	3.55	3.31	3.15
1739712	LT1714CGN ♻♠	SSOP-16	Dual 7ns LP 3V/4.5V/±5V rail-to-rail comp.	5.65	5.28	5.02
1739755	LT1715IMS♠	MSOP-10	4ns, 150MHz dual comp. w/ independent I/O sup.	6.75	6.33	6.02
1739827	LT1719IS8 ♻♠	SOIC-8	4.5ns sngl/dual sup. 3/5V comp., r-to-r output	3.85	3.59	3.42
1739843	LT1720CMS8 ♻♠	MSOP-8	Dual 4.5ns sngl sup. 3/5V comp., r-to-r outputs, C-temp	5.75	5.35	5.09
1739886	LT1720IMS8 ♻♠	MSOP-8	Dual 4.5ns sngl sup. 3/5V comp., r-to-r outputs, I-temp	6.69	6.26	5.96
1739894	LT1720IS8♠	SOIC-8	Dual 4.5ns sngl sup. 3/5V comp., r-to-r outputs, I-temp	5.55	5.21	4.95

National Semiconductor Comparators

For more National Comparators visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
837812	LM311N/NOPB ♻	DIP-8	Voltage comparator	$.94	$.68	$.49
900535	LM361M	SOIC-14	Hi-speed differential comparator	2.99	2.21	1.63
901191	LM393M/NOPB ♻	SOIC-8	Low-pwr, low-offset volt dual comp, C-temp	✳	.408	.375
840000	LM393N/NOPB ♻	DIP-8	Low-pwr, low-offset volt dual comp, C-temp	✳	.329	.302

Texas Instruments Comparators

For more TI Comparators visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
902522	LM311DR ♻	SOIC-8	Differential comparators w/ strobes	$.23	$.21	$.18
902688	LM339AD ♻	SOIC-14	Quad differential comparators	.49	.39	.29
826742	LM339N ♻	DIP-14	Quad differential comparators	.43	.34	.26

Other Comparators

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
282087	LM139J	CDIP-14	Low pwr, low offset volt quad comp.	$3.25	$2.76	$2.07
23528	LM311N*	DIP-8	Voltage comparator	.35	.25	.19
143888	LM339AN ♻	DIP-14	Low power quad comparator	.25	.23	.19
23851	LM339N⊕**	DIP-8	Quad comparator	.21	.19	.165
120900	LM392N	DIP-8	Low power op amp./volt comp.	1.37	1.04	.77
212177	LM393AN ♻	DIP-8	Low pwr low offset volt dual comp.	.24	.20	.162
24281	LM393N*	DIP-8	Dual comparator	.20	.17	.128

*10 pieces included in Linear kit, pg 31 **20 pieces included in Linear kit, pg 31

Buffer

Please Note: Manufacturer May Vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	$13.75	$11.48	$8.91

Analog Devices Amplifiers

For more Analog Devices Amps visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1806031	AMP01FX♠	DIP-18	Low noise, prec. instrumentation amp	$17.79	$15.42	$14.85
1806102	AMP03GPZ ♻♠	DIP-8	Precision, utility gain differential amp	4.95	4.28	4.12
1806111	AMP04FS♠	SOIC-8	Prec. sngl sup. instrumentation amp	8.85	7.69	7.40
1808909	SMP04ESZ ♻	SOIC-16	CMOS quad sample & hold amp	10.09	8.74	8.41
1776978	AD202KN♠	DIP-38	Low cost miniature isolation amp	58.35	50.62	48.73
1777022	AD210AN♠	DIP-38	Prec. wide bandwidth 3-port isolation amp	89.35	77.50	74.61
1777031	AD210BN♠	DIP-38	Prec. wide bandwidth 3-port isolation amp	107.59	93.32	89.84
1778068	AD524AD♠	DIP-16	Prec. Instrumentation amp, C-temp	19.55	16.96	16.32
1780635	AD595AD♠	TO-116	Mono thermocouple w/ cold junc. comp.	21.69	18.82	18.11
1780651	AD595CQ♠	DIP-14	Mono thermocouple w/ cold junc. comp., error ±1	20.65	17.92	17.25
1780740	AD603AR♠	SOIC-8	Low-noise, 90MHz variable gain amp	8.85	7.67	7.39
1780791	AD604ARZ ♻♠	SOIC-24	Dual ultralow noise variable gain amp	25.65	22.24	21.41
1780838	AD606JRZ ♻♠	SOIC-16	50MHz, 80dB demodulating logarithmic amp	47.39	41.11	39.57
1780862	AD620ANZ ♻♠	DIP-8	Low cost, LP instrumentation amp	6.29	5.44	5.24
1780897	AD620BR♠	SOIC-8	Low cost, LP instrumentation amp	9.09	7.87	7.57
1780926	AD621AR♠	SOIC-8	Low drift, LP instrumentation amp	7.35	6.35	6.11
1780985	AD623ANZ ♻♠	DIP-8	Sngl supply r-to-r instrument amp	3.45	3.00	2.89
1781013	AD623BR♠	SOIC-8	Sngl supply r-to-r instrument amp	5.35	4.64	4.47
1781021	AD624AD♠	DIP-16	Prec. instumentation amp, C-temp	23.49	20.38	19.62
1781030	AD624BD♠	DIP-16	Prec. instumentation amp, C-temp	38.49	33.38	32.14
1781072	AD625JNZ ♻♠	DIP-16	Prog. gain instrumentation amp	13.75	11.91	11.46
1781179	AD629AR♠	SOIC-8	Hh-common mode volt diff. amp	5.75	4.96	4.77
1787204	AD781JN♠	DIP-8	Complete 700ns sample & hold amp	11.75	10.18	9.80
1787554	AD783JR♠	SOIC-8	Complete very hi-spd sample & hold amp	21.35	18.51	17.82
1791650	AD823AN♠	DIP-8	Daul 16MHz r-to-r FET input amp	4.79	4.14	3.99
1791684	AD823ARZ ♻♠	SOIC-8	Dual 16MHz r-to-r FET input amp	4.79	4.14	3.99
1791764	AD825ARZ ♻♠	SOIC-8	Low-cost gen purp hi-spd JFET amp	3.19	2.78	2.67
1791772	AD825ARZ-16 ♻♠	SOIC-16	Low-cost gen purp hi-spd JFET amp	4.79	4.14	3.99
1792097	AD830JR♠	SOIC-8	High speed, video difference amp	5.15	4.43	4.27
1808950	SSM2018TPZ ♻♠	DIP-16	Trimless voltage controlled amp	6.75	5.83	5.61
1808968	SSM2019BNZ ♻	DIP-8	Self contained audio preamplifier	3.89	3.37	3.24
1809039	SSM2164PZ ♻♠	DIP-16	Low-cost quad volt controlled amp	5.55	4.82	4.64
1789429	AD8001ARZ ♻♠	SOIC-8	8-MHz, 50mW curr. feedback amp	6.15	5.33	5.13
1789550	AD8009ARZ ♻♠	SOIC-8	1GHz, 5,500V/µs low distortion amp	3.55	3.08	2.97
1789779	AD8021ARMZ ♻♠	MSOP-8	Low-noise, hi-spd amp for 16-bit systems	2.89	2.50	2.41
1789787	AD8021ARZ ♻♠	SOIC-8	Low-noise, hi-spd amp for 16-bit systems	2.89	2.50	2.41
1789824	AD8022ARZ ♻♠	SOIC-8	Dual hi-spd., low-noise op amp	4.85	4.18	4.03
1790032	AD8032ARM♠	MSOP-8	2.7V, 800µA, 80MHz r-to-r I/O amp	3.75	3.25	3.13
1790059	AD8032ARZ ♻♠	SOIC-8	2.7V, 800µA, 80MHz r-to-r I/O amp	3.75	3.25	3.13
1790219	AD8041ARZ ♻♠	SOIC-8	160MHz rail-to-rail amp w/ disable	3.29	2.86	2.75
1790235	AD8044ARZ-14 ♻♠	SOIC-14	Quad 150MHz rail-to-rail amp	7.59	6.58	6.34
1790323	AD8052ARMZ ♻♠	MSOP-8	Low-cost, hi-spd rail-to-rail amp	3.09	2.68	2.58
1790518	AD8057ARZ ♻♠	SOIC-8	Sngl low-cost, hi perf. volt feedbk 325MHz	1.65	1.43	1.37
1790534	AD8058ARZ ♻♠	SOIC-8	Dual low-cost, hi perf. volt feedbk 325MHz	3.09	2.68	2.58
1791641	AD8230YRZ ♻♠	SOIC-8	16V r-to-r, zero drift prec instrument amp	6.65	5.77	5.55
1792062	AD8307ARZ ♻♠	SOIC-8	Low-cost DC-500MHz, 92dB logarithmic amp	12.99	11.25	10.83
1792126	AD8310ARMZ ♻♠	MSOP-8	Fast, volt-out DC-440MHz, 95dB logarithmic	9.39	8.13	7.83
1793381	AD8531ARZ ♻♠	SOIC-8	Sngl low-cost, 250mA output sngl sup. amp	.61	.525	.505
1793436	AD8532ARZ ♻♠	SOIC-8	Dual low-cost, 250mA output sngl sup. amp	.78	.68	.66
1793461	AD8534ARZ ♻♠	SOIC-14	Quad low-cost 250mA output sngl sup. amp	1.13	.98	.95
1793495	AD8541ARZ ♻♠	SOIC-8	Sngl gen purp CMOS rail-to-rail amp	.61	.525	.505

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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LINEAR TECHNOLOGY High Performance Amps

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Part No.	Product No.	Pkg	Description	1	10	100
1726655	LF398S8♠	SOIC-8	Precision sample and hold amplifier	$3.55	$3.31	$3.15
1726815	LT1001CS8 ♻♠	SOIC-8	Precision op amp	3.65	3.41	3.24
1726938	LT1006S8 ♻♠	SOIC-8	Precision single supply op amp	3.49	3.28	3.12
1726954	LT1007CN8 ♻♠	DIP-8	Low noise, hi-speed precision op amp	3.65	3.41	3.24
1726997	LT1008CN8	DIP-8	pA input curr., µvolt offset, low noise op amp	5.59	5.33	5.06
1727156	LT1012CN8 ♻♠	DIP-8	pA input curr., µvolt offset, low noise op amp, I-temp	4.99	4.69	4.46
1727172	LT1012S8♠	SOIC-8	pA input curr., µvolt offset, low noise op amp, C-temp	6.05	5.63	5.35
1727201	LT1013ACN8 ♻♠	DIP-8	Dual precision op amp	7.15	6.68	6.36
1727228	LT1013DN8 ♻♠	DIP-8	Dual precision op amp	3.49	3.28	3.12
1727244	LT1013IS8	SOIC-8	Dual precision op amp	7.65	7.25	6.89
1727252	LT1014ACN♠	DIP-14	Quad precision op amp	12.79	11.95	11.37
1727295	LT1014DSW ♻♠	SOIC-16	Quad precision op amp	7.39	6.92	6.58
1728010	LT1028CS8 ♻	SOIC-8	Ultralow noise hi-speed op amp, I-temp	9.99	8.21	7.93
1728271	LT1037CS8 ♻♠	SOIC-8	Low noise, hi-speed precision op amp	4.15	3.87	3.68
1745688	LTC1050CN8 ♻♠	DIP-8	Precision zero-drift op amp w/ internal cap	4.05	3.80	3.62
1745709	LTC1050CS8 ♻♠	SOIC-8	Precision zero-drift op amp w/ internal cap	5.05	4.71	4.49
1745717	LTC1051CSW♠	SOIC-16	Dual prec. zero-drift op amp w/ int. cap	9.05	8.44	8.03
1745750	LTC1053CSW ♻♠	SOIC-18	Quad prec. zero-drift op amp w/ int. cap	16.15	15.12	14.38
1728474	LT1055CN8	DIP-8	Precision, hi-speed JFET input op amp	3.39	3.17	3.01
1728491	LT1056CN8♠	DIP-8	Precision, hi-speed JFET input op amp	3.39	3.17	3.01
1728511	LT1056S8♠	SOIC-8	Precision, hi-speed JFET input op amp	4.05	3.76	3.58
1728546	LT1057CN8	DIP-8	Dual JFET input, prec. hi-speed op amp	4.55	4.22	4.02
1728589	LT1058CN	DIP-14	Quad JFET input, prec. hi-speed op amp	7.65	7.15	6.80
1729194	LT1077S8 ♻♠	SOIC-8	µpwr, single supply, precision op amp	3.65	3.41	3.24
1729207	LT1078CN8 ♻	DIP-8	µpwr, sngl supply, dual prec. op amp	4.99	4.69	4.46
1729231	LT1078IS8	SOIC-8	µpwr, sngl sup., dual prec. op amp, I-temp	8.45	7.88	7.49
1729240	LT1078S8	SOIC-8	µpwr, sngl sup., dual prec. op amp	6.55	6.12	5.82
1729282	LT1079CN ♻♠	DIP-14	µpwr, sngl sup., quad prec. op amp	6.29	5.87	5.58
1729291	LT1079IN♠	DIP-14	µpwr, sngl sup., quad prec. op amp, I-temp	7.79	7.27	6.92
1729311	LT1079SW ♻♠	SOIC-16	µpwr, sngl sup., quad prec. op amp, I-temp	8.15	7.62	7.25
1729901	LT1097CN8♠	DIP-8	Low power precision op amp	3.09	2.89	2.75
1730275	LT1112CN8 ♻♠	DIP-8	Dual low pwr prec. pA input op amp, I-temp	4.39	4.11	3.91
1730304	LT1113CS8♠	SOIC-8	Dual low noise prec., JFET input op amp, I-temp	6.55	6.09	5.80
1730355	LT1114S♠	SOIC-16	Quad low pwr prec., JFET input op amp, I-temp	8.89	8.33	7.92
1746541	LTC1150CN8♠	DIP-8	±15V zero-drift op amp w/ internal capacitor	6.95	6.47	6.16
1746576	LTC1150CS8 ♻♠	SOIC-8	±15V zero-drift op amp w/ internal capacitor	8.15	7.60	7.23
1746584	LTC1151CN8♠	DIP-8	Dual ±15V zero-drift op amp	10.75	10.06	9.57
1746605	LTC1151CSW♠	SOIC-16	Dual ±15V zero-drift op amp	12.55	11.74	11.17
1732836	LT1206CR♠	DDPAK-7	250mA, 60MHz curr. feedback amp	8.15	7.62	7.25
1732861	LT1206CS8 ♻♠	SOIC-8	250mA, 60MHz curr. feedback amp	7.25	6.79	6.46
1733249	LT1229CS8♠	SOIC-8	Dual 100MHz curr. feedback amp	7.79	7.27	6.92
1733791	LT1256CS	SOIC-14	40MHz video fader & DC gain contrd amp	11.65	10.90	10.37
1733821	LT1260CS♠	SOIC-16	Triple 130MHz curr. feedbk amp w/ shtdwn	4.89	4.57	4.35
1734621	LT1357CS8	SOIC-8	25MHz, 600V/µs op amp	5.15	4.81	4.58
1734663	LT1358CS8	SOIC-8	Dual 25MHz, 600V/µs op amp	8.25	7.74	7.36
1734701	LT1359CS	SOIC-16	Quad 25MHz, 600V/µs op amp	12.79	11.95	11.37
1734743	LT1360CS8♠	SOIC-8	50MHz, 800V/µs op amp	4.65	4.33	4.12
1734794	LT1362CS♠	SOIC-16	Quad 50MHz, 800V/µs op amp	11.75	11.01	10.48
1734831	LT1364CS8	SOIC-8	Dual 70MHz, 1000V/µs op amp	7.25	6.75	6.42
1735885	LT1413S8♠	SOIC-8	Snge supply dual precision op amp	4.05	3.76	3.58
1736829	LT1468CS8 ♻♠	SOIC-8	90MHz, 22V/µs 16-bit accurate op amp	5.05	4.71	4.49
1736853	LT1469CS8 ♻♠	SOIC-8	Dual 90MHz, 22V/µs 16-bit accurate op amp	8.79	8.23	7.83
1736984	LT1490CS8♠	SOIC-8	Dual µpwr rail-to-rail I/O op amp	3.95	3.66	3.48
1737004	LT1490IS8♠	SOIC-8	Dual µpwr rail-to-rail I/O op amp	4.45	4.15	3.95
1737071	LT1492CS8♠	SOIC-8	Dual 5MHz, 3V/µs LP sngl sup. prec. op amp	6.09	5.70	5.42
1739149	LT1638CS8♠	SOIC-8	Dual 1.2MHz, 0.4V/µs µpwr r-to-r I/O op amp, I-temp	3.95	3.66	3.48
1739190	LT1639IS♠	SOIC-14	Quad 1.2MHz, 0.4V/µs µpwr r-to-r I/O op amp,I-temp	7.35	6.89	6.56
1741708	LT1806CS8♠	SOIC-8	325MHz, sngl r-to-r I/O low dist./noise prec. op amp	3.69	3.45	3.28
1743316	LT1970CFE♠	TSSOP-20	500mA pwr op amp w/ adj. prec. curr. limit	9.09	8.51	8.10
1743391	LT1990CS8 ♻♠	SOIC-8	±250V input range G=1, 1, 10, µpwr diff. amp	2.49	2.32	2.21
1755392	LTC2051HVCS8 ♻♠	SOIC-8	Dual zero-drift op amp	4.55	4.22	4.02

LINEAR TECHNOLOGY Rail-to-Rail Amps

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Part No.	Product No.	Pkg/Pins	Description	1	10	100
1746630	LTC1152CS8♠	SOIC-8	Rail-to-rail I/O zero-drift op amp	$6.55	$6.12	$5.82
1734874	LT1366CS8♠	SOIC-8	Dual precision rail-to-rail I/O op amp	6.75	6.33	6.02
1734903	LT1368CS8 ♻	SOIC-8	Dual precision rail-to-rail I/O op amp	6.75	6.33	6.02
1736861	LT1490ACMS8♠	MSOP-8	Dual over-the-top µpwr r-to-r I/O op amp	3.69	3.45	3.28
1736917	LT1490ACS8 ♻♠	SOIC-8	Dual over-the-top µpwr r-to-r I/O op amp	3.25	3.03	2.88
1737160	LT1495CS8♠	SOIC-8	1.5µA max. dual over-the-top prec. r-to-r I/O	4.95	4.64	4.42
1737240	LT1498CS8 ♻♠	SOIC-8	10MHz, 6V/µs dual r-to-r I/O prec. C-load	5.49	5.14	4.89
1737258	LT1499CS♠	SOIC-14	10MHz, 6V/µs quad r-to-r I/O prec. C-load	9.75	9.14	8.70
1738736	LT1630CS8♠	SOIC-8	30MHz, 10V/µs dual r-to-r I/O prec. op amp	5.45	5.07	4.82
1739042	LT1636CS8♠	SOIC-8	Over-the-top µpwr r-to-r I/O op amp	2.65	2.46	2.35
1739165	LT1639CS ♻♠	SOIC-14	1.2MHz 0.4V/µs over-the-top µpwr r-to-r I/O	6.39	5.98	5.69
1739536	LT1677CS8 ♻♠	SOIC-8	Low noise r-to-r precision op amp	3.95	3.66	3.48
1741644	LT1801CMS8 ♻♠	MSOP-8	Dual 80MHz 25V/µs LP r-to-r I/O prec. op amp	3.69	3.45	3.28
1741652	LT1801CS8 ♻♠	SOIC-8	Dual 80MHz 25V/µs LP r-to-r I/O prec. op amp	3.55	3.31	3.15
1741783	LT1807IMS8 ♻♠	MSOP-8	325MHz dual r-to-r I/O low noise/dist. prec.	6.69	6.26	5.96
1741935	LT1881CS8♠	SOIC-8	Dual r-to-r output pA input prec. op amp	4.95	4.64	4.42
1741986	LT1884CS8 ♻♠	SOIC-8	Dual r-to-r output pA input prec. op amp	4.95	4.64	4.42
1745021	LT6200IS8♠	SOIC-8	Sngl 165MHz r-to-r I/O 0.95nV low noise op amp	4.89	4.57	4.35
1745098	LT6203CS8 ♻♠	SOIC-8	Dual 100MHz r-to-r I/O ultralow 1.9nV LP op amp	5.15	4.78	4.55
1760511	LTC6241IS8♠	SOIC-8	Dual 18MHz low noise r-to-r output CMOS op amp	3.05	2.82	2.68

ANALOG DEVICES Op Amps

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Part No.	Product No.	Pkg.	Description	1	10	100
311132	AD811AN	DIP-8	High performance video op amp	$6.55	$6.45	$6.34

LINEAR TECHNOLOGY Op Amps

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Part No.	Product No.	Pkg.	Description	1	10	100
239222	LTC1001CN8	DIP-8	Precision op amp	$2.75	$2.05	$1.89
300193	LTC1050CN8	DIP-8	Precision zero drift w/ internal cap	3.99	2.73	2.04
1731041	LT1122CS8♠	SOIC-8	Fast settling, JFET input op amp, I-temp	5.75	5.39	5.13

National Semiconductor Op Amps

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Part No.	Product No.	Pkg/Pins	Description	1	10	100
120723	LM12CLK ⊕	TO-3/4	80W op amp	$17.05	$16.10	$15.30
838209	LM321MF/NOPB ♻	SOT-23/5	Low power single op amp	.75	.541	.392
899247	LM324AM/NOPB ♻	SOIC-14	Low power quad op amp	.58	.527	.479
838233	LM324AN/NOPB ♻	DIP-14	Low power quad op amp	.64	.57	.52
838284	LM324N/NOPB ♻	DIP-14	Low power quad op amp	.64	.57	.52
833854	LF347N/NOPB ♻	DIP-14	Wide bandwidth quad JFET input op amp	1.32	1.19	1.08
839332	LM358AN/NOPB ♻	DIP-8	Low power dual op amp, C-temp	.99	.74	.53
839367	LM358N/NOPB ♻	DIP-8	Low power dual op amp	1.09	.79	.57
835500	LF411CN/NOPB ♻	DIP-8	Low-offset, low-drift JFET input op amp	.77	.72	.68
835526	LF412CN/NOPB ♻	DIP-8	Low-offset, low-drift dual JFET input op amp	1.65	1.22	.90
835542	LF442CN/NOPB ♻	DIP-8	Dual low power JFET input op amp	1.75	1.27	.92
835569	LF444CN/NOPB ♻	DIP-14	Quad low power JFET input op amp	1.18	1.06	.97
840763	LM741CN/NOPB ♻	DIP-8	General purpose op amp	.82	.60	.43
835702	LM1458M/NOPB ♻	DIP-8	Dual op amp	1.05	.74	.54
836641	LM2904N/NOPB ♻	DIP-8	Low power dual op amp	1.09	.79	.57
302068	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	4.35	3.70	3.61
841897	LM608IN	DIP-8	Precison CMOS single op amp	2.69	2.06	1.88
301874	LM6181IN ⊕	DIP-8	100mA, 100MHz current feedback	2.59	1.99	1.52
126893	LMC6482AIN	DIP-8	CMOS dual r-r input/output, lower VOS	1.89	1.43	1.07
301356	LMC6484AIN	DIP-14	CMOS quad r-r I/O op amp., lower VOS	2.99	2.09	1.82

MAXIM Op Amps

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Part No.	Product No.	Pkg.	Description	1	10	100
804666	ICL7611BCPA♠	DIP-8	1.4MHz low-power CMOS op amp	$3.35	$3.06	$2.79
804682	ICL7621DCSA	SOIC-8	Dual low-power op amp	2.75	2.13	1.87
811567	MAX421CWE♠	SOIC-16	±15V chopper stabilized op amp	★	Call	Call
811866	MAX4326ESA+	SOIC-8	LP rail-to-rail I/O op amp	1.89	1.54	1.36

★ Please call or visit our website for minimum order quantity and pricing

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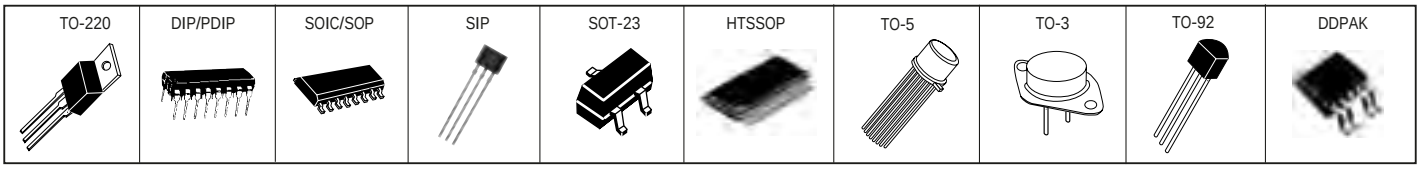
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✳ Minimum order 10 pieces

Part No.	Product No.	Pkg/Pins	Description	1	10	100
275805	OPA27GP	DIP-8	Ultra-low noise precision op amp	$2.39	$2.14	$1.89
275784	OPA27GU	SOIC-8	Ultra-low noise precision op amp	2.89	2.39	2.26
759682	TL064ACN	DIP-14	Low power JFET input op amp	.67	.60	.52
759762	TL072ACD	SOIC-8	Low noise JFET input op amp	.73	.67	.62
1063935	TL074CDE4	SOIC-14	Low noise JFET input op amp	.55	.49	.43
760034	TL082CDR	SOIC-8	JFET input op amp	.63	.47	.353
760149	TL084ID	SOIC-14	JFET input op amp	.86	.65	.49
901651	ISO124P♠	DIP-8	Precision isolation amp	13.75	13.05	12.40
826620	LM324KADG4	SOIC-14	Quad op amp	.21	.197	.179
826671	LM324NE4	DIP-14	Quad op amp	✳	.144	.133
902792	LM348D	SOIC-14	Quad op amp	.20	.177	.166
901811	LF353DR	SOIC-8	JFET input dual op amp	.20	.172	.161
902821	LM358AD	SOIC-8	Dual op amp	.20	.174	.163
905977	OPA551FAKTWT	DDPAK-7	High voltage, high current op amp	★	Call	Call
830522	UA741CP	DIP-8	Gen. purp. op amp	.39	.31	.23
903429	MC1458D	SOIC-8	Dual gen. purp. op amp	✳	.135	.126
903509	MC1458P	DIP-8	Dual gen. purp. op amp	✳	.135	.126
823525	TLC2272AIP	DIP-8	Advanced LinCMOS® rail-to-rail op amp	1.79	1.63	1.52
761598	TLV2381IDBVT	SOT-23/5	µPwr rail-to-rail input & output op amp	1.49	1.22	.99
908246	RC4558DR	SOIC-8	Dual gen. purp. op amp	.20	.18	.16
908289	RCA4558P	PDIP-8	Dual gen. purp. op amp	.45	.36	.247
904026	NE5534AP	DIP-8	Low noise op amplifier	.65	.59	.541

★ Please call or visit our website for minimum order quantity and pricing

Op Amps

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
27852	OP07CP⊕	DIP-8	Ultra-low offset voltage op amp	$.61	$.59	$.56
252988	OP07DP	DIP-8	Very low offset single bipolar op amp	.74	.63	.473
23106	LM10CLN	DIP-8	Low voltage (1.1 volt) op amp	2.10	1.72	1.36
120715	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
115300	OP27EP	DIP-8	Low noise precision op amp	4.39	3.57	2.67
115318	OP27GP	DIP-8	Low noise prec op amp (-40° to 80°C)	2.09	1.69	1.27
33187	TL071CP	DIP-8	Low noise JFET op amp.	.47	.353	.267
33195	TL072CP*	DIP-8	Low noise JFET dual op amp.	.39	.369	.354
33216	TL074CN*	DIP-14	Low noise JFET quad op amp.	.58	.516	.41
213057	TL081ACP	DIP-8	JFET input op amp, low offset w/ control	.51	.43	.32
33232	TL081CP	DIP-8	JFET input op amp., offset control	.27	.252	.223
214076	TL082ACP	DIP-8	JFET input op amp., low offset	.51	.455	.435
33241	TL082CP*	DIP-8	JFET input dual op amp.	.53	.40	.30
214084	TL084ACN	DIP-14	JFET input op amp.	.55	.48	.437
33267	TL084CN⊕*	DIP-14	JFET input quad op amp.	.43	.40	.37
212151	LM301AN	DIP-8	Operational amplifier	.40	.30	.29
245673	LM308AH	TO-5/8	Precision op amplifier	3.95	3.36	2.52
23464	LM308N*	DIP-8	Precision op amplifier	6.59	5.95	5.35
23608	LM318N	DIP-8	Precision high speed op amplifier	.71	.65	.58
212169	LM324AN	DIP-14	Low power quad op amp, impr. offset	.35	.30	.25
23683	LM324N**	DIP-14	Low power quad op amplifier	.28	.24	.21
22904	LF347N	DIP-14	Quad JFET input op amp (wide band)	.46	.374	.284
23915	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.29	.216	.168
22912	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
22939	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.48	.437	.402
22971	LF356N*	DIP-8	JFET input op amplifier (wide band)	.95	.81	.59
120862	LM358AN	DIP-8	Low power dual (improved 358N)	.34	.29	.25
23966	LM358N*	DIP-8	Low power dual op amplifier	.24	.21	.18
23018	LF411CN*	DIP-8	Low offset drift JFET input op amp	1.35	1.00	.75
23026	LF412CN*	DIP-8	Low offset drift JFET input dual	1.39	1.03	.76
106681	LF442CN⊕	DIP-8	Dual low power JFET input op amp	1.35	1.00	.75
119992	LF444CN⊕	DIP-14	Quad low pwr JFET input op amp	.99	.91	.82

*10 pcs./ **20 pcs. in Linear cabinet kit, pg 31

Op Amps (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
143976	LMC660CN	DIP-14	CMOS quad operational amplifier	$1.35	$1.20	$1.13
120926	LM675T	TO-220/5	Power op amplifier	4.85	4.05	4.01
24521	LM741CH	TO-5/8	Op amplifier	3.25	2.90	2.61
24539	LM741CN⊕**	DIP-8	Op amplifier	.29	.25	.19
24563	LM747CN	DIP-14	Dual 741 op amplifier	4.19	3.85	3.39
239169	LT1013CP	DIP-8	Dual precision op amplifier	1.16	.94	.71
239177	LT1014DN	DIP-14	Quad precision op amplifier	3.29	2.99	2.89
23131	LM1458N⊕*	DIP-8	Dual op amplifier	.36	.33	.25
12116	CA3080E	DIP-8	Op transconductance amp. (100135)	3.95	3.55	3.19
12183	CA3130E	DIP-8	CMOS op amplifier	.81	.72	.69
12204	CA3140E⊕	DIP-8	Bi-MOS op amplifier	.51	.47	.42
24168	LM3900N	DIP-14	Quad amplifier	.77	.65	.53
29356	RC4136N	DIP-14	Quad op amp. (XR4136)	.82	.76	.57
251125	MC4558CN	DIP-8	Wide bandwidth dual bipolar op amp	.33	.30	.27
252970	NE5532AP	DIP-8	Dual lower noise op amplifier	.50	.45	.39
27385	NE5532N*	DIP-8	Dual low noise op amplifier	.66	.50	.38
27406	NE5534⊕	DIP-8	Low noise op amplifier	.78	.66	.54
192532	LM13700N⊕	DIP-16	Dual op transcon. w/ diodes/buffer	1.20	.88	.64
251061	MC34072P	DIP-8	Single supply 3V-44V op amp.	1.11	.88	.66

*10 pcs./ **20 pcs. in Linear cabinet kit, pg 31

Analog Devices Linear Series

For more Analog Devices visit www.Jameco.com

Part No.	Product No.	Pkg/Pins	Description	1	10	100
287785	AD581KH	TO-5/3	10V volt ref hi prec 10mV tolerance	$9.75	$8.85	$7.71
115174	AD620AN	DIP-14	Low-cost instrument amplifier	12.65	11.60	8.70
115182	AD633JN	DIP-8	Low-cost analog multiplier	7.75	6.97	6.28

Maxim Linear Series

For more Maxim Linear visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
810177	MAX359CWE+	SOIC-16	Fault protected analog multiplexer	$9.99	$8.10	$7.05

National Semiconductor Linear Series

For more National Linear visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
838372	LM331N/NOPB	DIP-8	Precision volt-to-freq. conv.r, C-temp	$2.79	$2.13	$1.62
903197	LMC555CM/NOPB	SOIC-8	CMOS timer, C-temp	1.25	.97	.67
840608	LM555CN/NOPB	DIP-8	Timer	1.19	.89	.65
901917	LM556CN	DIP-14	Dual Timer	.96	.71	.58
900252	LM3524DM	SOIC-16	Regulating pulse width modulator	.94	.86	.80
840579	LM555CM/NOPB	SOIC-8	Timer	1.09	.81	.59

NXP Linear Series

For more NXP Linear visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
918399	SA602AD/01	SOIC-8	Dble balanced mixer & oscillator, I-temp	$1.95	$1.79	$1.65
917193	ICM7555CD/01	SOIC-8	General purpose CMOS timer, C-temp	.53	.47	.372

ON Semiconductor Linear Series

For more ON Semi Linear visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
25021	MC14411P	DIP-24	Bit rate frequency generator	$4.95	$4.79	$4.62
25064	MC14490P	DIP-16	Hex contact bounce eliminator	6.25	5.63	5.03
118586	MC145151P	DIP-28	Parallel input PLL freq synthesizer	6.15	5.20	4.10

ST Linear Series

For more ST Micro Linear visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	50
890091	NE555N	DIP-8	Gen. purp. Single bipolar timer	$.20	$.16	$.149
890787	ULN2804A	DIP-18	8 darlington array w/ common emitters	.64	.60	.58

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212*

Thousands of additional ICs are now available on our website.

Texas Instruments Linear Series

For more TI Linear Series visit www.Jameco.com

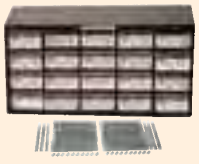
Part No.	Product No.	Pkg.	Description	1	10	100
904051	NE555D	SOIC-8	Precision timer	$.31	$.284	$.235
828414	NE555DG4	SOIC-8	Precision timer	.20	.142	.133
904085	NE555P	DIP-8	Precision timer	.51	.441	.353
761301	TLC555IP	DIP-8	LinCMOS® timer	.94	.71	.53
761387	TCL56IN	PDIP-14	Dual linCMOS™ timer	1.06	.95	.89
904114	NE556N	DIP-14	Dual precision timer	.53	.47	.353
760683	TL594CN	DIP-16	Pulse width modulation control circuit	.82	.62	.46
700672	ULQ2003AD♠	SOIC-16	Hi-volt/curr. darl. transistor array	.81	.69	.56
700613	ULN2004AD♠	SOIC-16	Hi-volt/curr. darl. transistor array	.63	.466	.304
700630	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.63	.49	.353
700648	ULN2803ADW	SOIC-18	Hi-volt/curr. darl. transistor array	.74	.62	.50
700664	ULN2803AN	DIP-18	Hi-volt/curr. darl. transistor array	.71	.63	.61
909409	SG3524N	DIP-16	Regulating pulse width modulator	.82	.69	.55
762849	TPS54310PWP♠	HTSSOP-20	3-6V input, 3A output synch buck PWM switcher	5.25	4.19	4.05
1113154	TPS54313PWP♠	HTSSOP-20	3-6V input, 3A output synch buck PWM switcher	5.25	4.19	4.05
762881	TPS54314PWP♠	HTSSOP-20	3-6V input, 3A output synch buck PWM switcher	5.25	4.19	4.05
700437	TPS54613PWP♠	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.49	6.30	5.90
700445	TPS54614PWP♠	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.49	6.30	5.90
700453	TPS54616PWP♠	HTSSOP-28	3-6V input, 6A output synch buck PWM switcher	6.49	6.30	5.90
758647	SN75468D	SOIC-16	Darlington transistor array	.59	.53	.48
758663	SN75468N	DIP-16	Darlington transistor array	.74	.62	.49

Vishay Linear Series

For more Vishay Linear series visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
674291	DG201BDY♠	SOP-16	CMOS quad SPST analog switch	$1.19	$1.07	$1.00
674304	DG201HSDY♠	SOP-16	CMOS quad SPST analog switch	3.69	3.31	2.94
674321	DG211BDY♠	SOP-16	CMOS quad SPST analog switch	1.59	1.44	1.28
674339	DG212BDY♠	SOP-16	CMOS quad SPST analog switch	1.41	1.26	1.17
697119	DG271BDY♠	SOIC-16	Hi-spd quad mono (SPST) switch	4.55	3.68	3.47
674347	DG303BDJ♠	DIP-14	Dual CMOS DPST analog switch	3.95	3.71	3.55
674355	DG333ADW♠	SOP-20	Precision quad SPDT analog switch	3.39	3.05	2.73
697127	DG403BDJ♠	DIP-16	Low-power, high-speed switch	4.70	4.23	3.81
697143	DG405DY♠	SOIC-16	Low-power, high-speed analog switch	3.75	3.35	3.04
674363	DG406DN♠	PLCC-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	4.39	3.95	3.64
674371	DG406DW	SOP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	6.59	6.36	6.13
674398	DG413DJ♠	DIP-16	Imprvd quad SPST (2NO&2NC) analog sw.	4.35	4.05	3.86
674401	DG417DY♠	SOP-8	Improved SPST NC analog switch	.94	.89	.77
674419	DG418DJ	DIP-8	Improved SPST NO analog switch	1.59	1.42	1.27
674427	DG418DY♠	SOP-8	Improved SPST NO analog switch	.94	.89	.77
697151	DG441DY♠	SOIC-16	Quad (SPST) CMOS analog switch	1.99	1.77	1.65
697186	DG541DY♠	SOIC-16	Wideband/video "T" switch	3.19	2.93	2.75
697194	DG613DY♠	SOIC-16	Hi-spd, low-glitch D/CMOS analog sw.	3.85	3.56	3.39
674435	DG641DY♠	SOP-16	Quad SPST low on-res. wideband/video sw.	2.75	2.47	2.21
674451	DG642DY♠	SOP-8	SPDT low on-res. wideband/video sw.	1.89	1.78	1.38
674460	DG643DY♠	SOP-16	Dual SPDT low on-res. wideband/video sw.	2.75	2.62	2.03
674478	DG9431DY♠	SOP-8	Low-volt. single SPDT analog switch	1.17	1.13	.96

Linear and Interface IC Kit SAVE $62



84988

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T

Part No.	Description	Wt. (lbs.)	1	10
84988	480 pcs. (40 types) analog IC kit	6.0	$212.95	$192.64
130411	Refill for 84988 (480 pcs.)	1.3	203.94	177.97

Avago Panel Mount Optical Encoder



The HRPG series is a family of miniature panel mount optical encoders, also know as Rotary Pulse Generators (RPG) and digital potentiometers is designed to be mounted on a front panel and used as a rotary, data-entry device.

Part No.	Product No.	Description	1	10	100
1584992	HRPG-AS32$11R	Pins rear with bracket	$18.45	$15.34	$14.20

Linear Series

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
25751	MF10CN⊕	DIP-20	General purpose dual active filter	$3.35	$3.03	$2.76
16301	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)(TC426CPA)	5.19	4.67	4.19
239281	DG201BDJ	DIP-16	Quad analog switch	1.34	1.25	.98
239290	DG202BDJ⊕	DIP-16	Quad analog switch	1.75	1.55	1.44
239311	DG211BDJ	DIP-16	Quad analog switch	1.17	1.06	.96
239329	DG211CJ⊕	DIP-16	SPST quad channel analog switch	3.42	2.91	2.19
23721	LM331N⊕	DIP-8	Prec volt to freq convrtr (150ppm/°C)	2.19	1.69	1.30
23739	LM334Z⊕	TO-92	Adjust current source	.66	.61	.55
297676	LM336BZ-5.0⊕	TO-92	5V voltage reference diode	1.32	.98	.81
23771	LM336Z-2.5⊕	TO-92	Voltage reference (2.5V)	.36	.264	.204
120889	LM385BZ2.5⊕	TO-92	Voltage reference diode (2.5V±1.5%)	.39	.37	.349
24117	LM385Z1.2⊕	TO-92	Micropower volt ref diode (1.2V)	.42	.372	.28
23000	LF398N⊕	DIP-8	Sample and hold circuit	1.45	1.23	.94
309833	DG403DJ⊕	DIP-16	Dual SPDT (NO) & SPDT (NC) analog switch	2.95	2.50	1.88
256541	DG406DJ	DIP-28	1 of 16 multiplexer/demultiplexer	4.65	3.94	2.96
272161	DG407DJ	DIP-28	Dual 8-ch multiplexer/demultiplexer	5.69	5.11	4.61
256532	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.75	1.49	1.29
279540	DG419DJ	DIP-8	Dual SPST (NO), dual SPST (NC) analog switch	1.85	1.60	1.51
33347	TL431CLP	TO-92	Program precision reference	.40	.314	.236
33355	TL494CN	DIP-16	Control circuit pulse-width-modulated	.43	.32	.25
27422	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
246676	LMC555CM⊕	SOIC-8	CMOS 555 timer	.85	.61	.446
126797	LMC555CN*	DIP-8	CMOS 555 timer	.66	.61	.55
24328	LM556N*	DIP-14	Dual 555 timer	.82	.60	.45
27457	NE558N	DIP-16	Quad timer (NE558C)	.99	.89	.79
27473	NE564N⊕	DIP-16	High frequency phase locked loop	2.75	2.49	2.25
24352	LM565N⊕	DIP-14	Phased locked loop	1.69	1.28	1.13
24395	LM567CN⊕	DIP-8	Tone decoder	.45	.43	.31
246650	LMC567CN⊕	DIP-8	Tone decoder	.97	.89	.69
27490	NE571N	DIP-16	Compander, subscriber	4.25	3.85	3.49
239257	LT1004CZ-1.2⊕	TO-92	1.2V, micropower voltage reference	.68	.57	.46
118578	MC1495L	DIP-14	Linear four quadrant multiplier	9.95	8.95	8.05
23211	LM1496N⊕	DIP-14	Balanced mod/demodulator (MC1496P)	.65	.56	.506
34278	ULN2003AN⊕*	DIP-16	Hi-volt/curr. darl. transistor array	.39	.32	.28
193826	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34294	ULN2004AN⊕	DIP-16	Hi-volt/curr. darl. trans. array (XR2204CP)	.39	.30	.23
34972	XR2206CP⊕	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999	XR2211N⊕	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280073	TLE2426CLP	TO-92	Rail splitter precision virtual ground	1.25	.99	.92
34315	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.76	.65	.54
123625	LM2907N-8⊕	DIP-8	Frequency to voltage converter	1.79	1.35	.99
23317	LM2907N⊕	DIP-14	Frequency to voltage converter	1.31	1.16	1.01
23350	LM2917N-8⊕	DIP-8	Freq. to voltage conv. w/ zener	1.85	1.57	1.18
23341	LM2917N-14⊕	DIP-14	Freq. to voltage conv. w/ zener	2.03	1.53	1.21
12079	CA3046N⊕	DIP-14	NPN transistor array (ULN2046)	.61	.58	.51
12159	CA3086N	DIP-14	Transistor array NPN (ULN2086)	1.59	1.45	1.30
12247	CA3162E♣	DIP-16	Dual slope & rate analog/digital conv.	10.95	9.85	8.85
31974	SG3524N⊕	DIP-16	Regulating pulse width modulator	.59	.52	.43
25275	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
51140	7555IPA⊕	DIP-8	CMOS timer (LM555CN)	.33	.31	.29
51174	7660CPA⊕	DIP-8	CMOS volt convrtr (+5 to ±5V) (M660AN)	.75	.68	.59
316646	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	2.95	2.75	2.49
875712	ICM7555IPA	PDIP-8	Gen. purp timer, I-temp.	.46	.342	.322
875747	ICM7556IPD	DIP-14	Dual general purpose timer, I-temp	.89	.81	.76

♣ Pull = Extra Savings *10 pcs. in Linear kit, left **20 pcs. in Linear kit, left

Digital Potentiometers

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744	MCP41010-I/P⊕	DIP-8	10kΩ, 256 steps, SPI digital pot	$1.69	$1.55	$1.41
241752	MCP42010-I/P⊕	DIP-14	10kΩ, 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10

Allegro Hall Effect Sensors

For more Allegro Sensors visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1718938	A3240EUA♠	SIP-3	Chopper-stabilized precision switch	$.93	$.88	$.82
1718743	A1302EUA-T♠	SIP-3	Continuous-time ratiometric linear sensor	.96	.90	.84

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

Thousands of additional ICs are now available on our website.

Pressure Sensor

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls
- To convert kPa to PSI: 1kPa = 0.1450377PSI
- Differential type



Part No.	Cross Ref.	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320987	MPX2010DP	344C	0 - 10	25mV	10 @ 6	$20.65	$15.48	$14.24

Temperature Sensors

Please Note: Manufacturer may vary

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107094	NSC	LM34CZ	TO-92	Prec temp sensor (-40˚ to +230˚F)	$5.45	$4.52	$4.30
193480	NSC	LM34DM	SOIC-8	Prec temp sensor (-55˚ to 300˚F)	1.85	1.39	1.10
155192	NSC	LM34DZ	TO-92	Prec temp sensor (+32˚ to +212˚F)	1.99	1.67	1.25
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55˚ to 150˚C)	2.35	2.00	1.50
107107	NSC	LM35CZ	TO-92	Prec temp sensor (-40˚ to 110˚C)	5.19	4.01	2.99
155740	NSC	LM35DZ	TO-92	Prec temp sensor (0˚ to +100˚C)	1.69	1.35	1.25
278387	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.19	.99	.79
826662	TI	TMP75AID ♠	SOIC-8	Digital sensor w/ 2-wire interface	1.85	1.69	1.59
282028	✦	LM135H	TO-46	Precision temperature senor	9.95	9.09	8.27
120820	✦	LM335AZ	TO-92	Precision temperature sensor	.98	.90	.86
23755	✦	LM335Z	TO-92	Volt mode temperature sensor	.67	.61	.44
241939	✦	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306	✦	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	12.99	11.69	10.53
313293	✦	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	13.55	11.89	10.52

✦ Jameco Value Offering NSC = National Semiconductor ADI = Analog Devices TI = Texas Instruments

ON Semiconductor Transistors

For more ON Semi Transistors visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100
800711	MPSA13G	TO-92	NPN	30	5000 @ 10mA	✳	$.069	$.039
878551	MPSA13RLRA	TO-92	NPN	30	5000 @ 10mA	✳	.131	.118
800876	MPSA20	TO-92	NPN	40	40 @ 5mA	✳	.185	.167
800892	MPSA27RLRAG	TO-92	NPN	60	10000 @ 10mA	✳	.131	.118
800930	MPSA42RLRAG	TO-92	NPN	300	25 @ 1mA	✳	.095	.085
878761	MPSA77	TO-92	PNP	60	10000 @ 10mA	✳	.157	.141
801211	MPSA77RLRA	TO-92	PNP	60	10000 @ 10mA	✳	.243	.219
880909	TIP127G	TO-220AB	PNP	100	1000 @ 3A	.56	.51	.45
807023	DTC114EET1	SOT-416	NPN	50	60 @ 100mA	✳	.125	.112
878497	MPS8099	TO-92	NPN	80	100 @ 1mA	✳	.11	.087
798850	MJE10532G	TO-220AB	NPN	250	50 @ 1A	.86	.77	.68
878139	MJE15033	TO-220	PNP	250	70 @ 0.5A	1.45	1.25	.94
800016	MPS2222ARL	TO-92	NPN	40	35 @ 0.1mA	✳	.062	.056
803268	PN2222AG	TO-92	NPN	40	50 @ 1mA	✳	.033	.03
880546	P2N2222A	TO-92	NPN	40	35 @ 0.1mA	✳	.132	.119
803049	P2N2222AG	TO-92	NPN	40	35 @ 10mA	✳	.132	.117
878358	MPS2907ARL	TO-92	PNP	60	75 @ 0.1mA	✳	.059	.053
880685	PN2907ARLRA	TO-92	PNP	60	75 @ 0.1mA	✳	.159	.143
803284	PZT2907AT1G	SOT-223	PNP	60	75 @ 0.1mA	✳	.332	.299
885161	2N3904G	TO-92	NPN	40	40 @ 0.1mA	✳	.055	.049
885208	2N3904RLRAG	TO-92	NPN	40	100 @ 1mA	✳	.045	.041
805597	2N3906G	TO-92	PNP	40	100 @ 10A	✳	.055	.049
805634	2N3906RLRM	TO-92	PNP	40	60 @ 0.1mA	✳	.051	.046
805685	2N4401RLRAG	TO-92	NPN	40	20 @ 0.1mA	✳	.03	.028
805896	2N5088G	TO-92	NPN	30	350 @ 1mA	.33	.195	.127
885478	2N6040♠	TO-220AB	PNP	60	1000 @ 4A	★	Call	Call
885540	2N6109♠	TO-220AB	PNP	50	30 @ 2.5A	.80	.75	.70
806160	2N6387G	TO-220AB	NPN	60	1000 @ 5A	.78	.64	.58
885611	2N6491♠	TO-220AB	PNP	80	20 @ 5A	.78	.74	.65
885697	2N6520RLRA	TO-92	NPN/PNP	350	20 @ 1mA	✳	.279	.251
800542	MPS8599RLRA	TO-92	PNP	80	100 @ 1mA	✳	.245	.22

★ Please call or visit our website for minimum order quantity and pricing

ON Semiconductor Prog. Unijunction Transistors

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	V_{GKF}	Power Dissipation	1	5	50
806063	2N6027G	TO-92	40	300mW	✳	$.229	$.21
885419	2N6027RLRA	TO-92	40	300mW	✳	.16	.15

NPN/PNP Bipolar Transistors

For more Fairchild Transistors visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100
784853	BCX70K	SOT-23	NPN	45	100 @ 50mA	✳	$.035	$.029
784790	BC549B	TO-92	NPN	30	110 @ 2mA	✳	.113	.102
873258	MMBT2222A_NL	SOT-23	NPN	40	35 @ 0.1mA	✳	.046	.032
873291	MMBT3904_NL	SOT-23	NPN	40	40 @ 0.1mA	✳	.043	.039
783527	2N4401_D81Z	TO-92	NPN	40	20 @ 0.1mA	✳	.063	.057
783498	2N4401TA	TO-92	NPN	40	20 @ 0.1mA	✳	.049	.044
786710	MMBT4401_NL	SOT-23	NPN	40	20 @ 0.1mA	✳	.048	.043
873274	MMBT2907A_NL	SOT-23	PNP	60	75 @ 0.1mA	✳	.039	.033
783455	2N3906BU	TO-92	PNP	40	60 @ 0.1mA	✳	.036	.032
786728	MMBT4403_NL	SOT-23	PNP	40	30 @ 0.1mA	✳	.048	.043
33021	TIP29A	TO-220	NPN	60	15 @ 1A	.43	.395	.382
179354	TIP31C	TO-220	NPN	100	10 @ 3A	.49	.37	.30
179371	TIP41C	TO-220	NPN	100	15 @ 3A	.35	.31	.248
179240	TIP102	TO-220	NPN	100	1k @ 3A	.46	.384	.36
179291	TIP120	TO-220	NPN	60	1k @ 3A	.54	.47	.39
179303	TIP122	TO-220	NPN	100	1k @ 3A	.55	.42	.32
254799	BC547C	TO-92	NPN	45	600 @ .002A	✳	.046	.039
178597	2N3904	TO-92	NPN	40	100 @ .01A	✳	.09	.06
179320	TIP127	TO-220	PNP	100	1k @ 3A	.45	.40	.32
178618	2N3906	TO-92	PNP	40	100 @ .01A	✳	.046	.042

Infineon NPN Bipolar Transistor

For more Infineon NPN Transistors visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
1631306	MMBT3904LT1XT♠	SOT-23	NPN	40	30 @ 0.1A	✳	$.017	$.016	$.015

NXP / PHILIPS NPN/PNP Bipolar Transistors

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
849881	BCX56-10T/R	SOT-223	NPN	80	63 @ 150mA	✳	$.182	$.164	$.148
916158	BC847BT/R	SOT-23	NPN	45	200 @ 2mA	✳	.049	.039	.02
849151	BC847CWT/R	SOT-23	NPN	45	420 @ 2mA	✳	.11	.08	.06
848917	BC557B ♠	TO-92	PNP	45	125 @ 2mA	★	Call	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

NPN & PNP Bipolar Transistors

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
890445	TIP142	TO-218	NPN	100	1000 @ 0.5A	$1.43	$1.34	$1.24	$1.12
924289	2N2222	TO-39	NPN	30	35 @ 0.1mA	✳	.421	.412	.371
890592	TIP36C	TO-218	PNP	100	25 @ 1.5A	1.32	1.17	1.03	.84
812990	TIP145	TO-218	PNP	60	1000 @ 5A	1.39	1.31	1.22	.97
890488	TIP147	TO-218	PNP	100	1000 @ 5A	1.43	1.34	1.25	1.13
869603	2SB772 ♠	TO-216	PNP	30	100 @ 100mA	✳	.372	.294	.265

TOSHIBA NPN Bipolar Transistor

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
832499	2SC5200-O	TO-3P	NPN	230	55 @ 1A	$2.45	$1.94	$1.85	$1.73

NPN/PNP Bipolar Transistors

Please Note: Manufacturer may vary

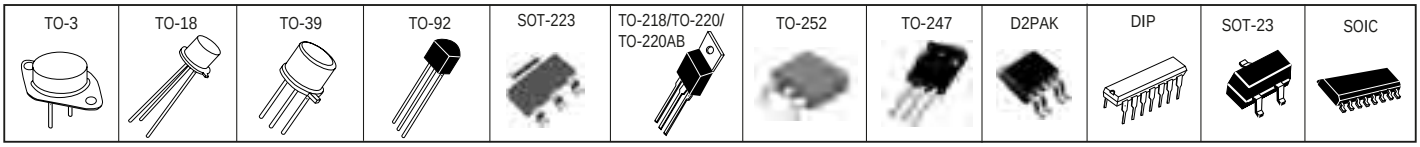
✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
26462	MPSA06	TO-92	NPN	80	100k @ .01A	✳	$.018	$.016	$.014
26489	MPSA13*	TO-92	NPN	30	5k @ .01A	✳	.059	.034	.028
210593	MPSA14	TO-92	NPN	30	20k @ .10A	✳	.083	.067	.038
210681	MPSA18	TO-92	NPN	45	500 @ .001A	✳	.083	.066	.049
33048	TIP31A *	TO-220	NPN	60	10 @ 3A	.49	.39	.35	.29
33081	TIP41A	TO-220	NPN	60	15 @ 3A	.59	.531	.425	.319
178546	MPSA42	TO-92	NPN	30	40 @ .03A	✳	.086	.058	.055
32977	TIP102 *	TO-220	NPN	100	1k @ 3A	.57	.49	.41	.245
32993	TIP120 *	TO-220	NPN	60	1k @ 3A	.49	.45	.39	.27
120221	BPW77NA	TO-18	NPN	70	—	1.99	1.89	1.55	1.21
120416	TIP122	TO-220	NPN	100	1k @ 3A	.42	.37	.35	.26
254810	BC337	TO-92	NPN	45	100 @ .10A	✳	.061	.049	.037

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 34

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*



NPN/PNP Bipolar Transistors (Cont.)

Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
38228	2N2219A ♻	TO-39	NPN	40	100 @ .15A	$.41	$.37	$.31	$.28
26446	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.79	2.52	2.29	2.13
28628	PN2222 ⊕ **	TO-92	NPN	30	100 @ .15A	✳	.065	.041	.025
213938	MMBT2222A ⊕	SOT-23	NPN	40	100 @ .15A	✳	.04	.03	.022
210673	MPS2222A	TO-92	NPN	40	40 @ .50A	✳	.058	.052	.045
178511	PN2222A ♻	TO-92	NPN	40	100 @ .15A	✳	.13	.092	.051
38236	2N2222A ♻ *	TO-18	NPN	40	100 @ .15A	.42	.41	.39	.37
38295	2N3053*	TO-39	NPN	40	25 @ .15A	.49	.475	.45	.34
211385	TIP3055 ♻	TO-218	NPN	60	5 @ .001A	1.05	.94	.76	.57
38308	2N3055 ♻ *	TO-3	NPN	60	15 @ 10A	.89	.79	.68	.61
211406	2N3055A	TO-3	NPN	60	20 @ 4A	1.55	1.49	1.13	.98
25857	MJE3055T ♻	TO-220	NPN	60	20 @ 4A	.53	.49	.45	.39
194415	2N3439 ♻	TO-39	NPN	350	40 @ .02A	.53	.477	.382	.287
209242	2N3771 ♻	TO-3	NPN	40	15 @ 15A	1.79	1.58	1.50	1.17
140151	2N3773	TO-3	NPN	140	15 @ 8A	2.45	2.32	2.26	1.69
94967	MMBT3904 ♻	SOT-23	NPN	40	100 @ .01A	✳	.042	.034	.025
38359	2N3904 ⊕ **	TO-92	NPN	40	100 @ .01A	✳	.069	.057	.035
38421	2N4401*	TO-92	NPN	40	100 @ .15A	✳	.08	.06	.05
310666	2N5038	TO-3	NPN	150	20 @ 12A	8.19	7.48	5.92	4.63
194600	2N6059	TO-3	NPN	100	750 @ 6A	1.75	1.54	1.49	1.42
194618	2N6547	TO-3	NPN	400	12 @ 5A	2.99	2.84	2.68	2.42
194626	2N6678	TO-3	NPN	400	8 @ 15A	6.79	6.22	5.64	3.67
33030	TIP30A	TO-220	PNP	60	15 @ 1A	.56	.33	.311	.233
33064	TIP32A ♻ *	TO-220	PNP	60	10 @ 3A	.37	.335	.28	.23
181841	TIP32C ♻	TO-220	PNP	100	10 @ 3A	.29	.261	.222	.167
33101	TIP42A ♻	TO-220	PNP	60	15 @ 3A	.46	.39	.386	.306
139580	TIP42C ♻	TO-220	PNP	100	15 @ 3A	.39	.34	.29	.22
32985	TIP106	TO-220	PNP	80	1k @ 3A	.64	.58	.52	.442
179258	TIP107 ♻	TO-220	PNP	100	1k @ 3A	.49	.39	.353	.21
288526	TIP115 ♻	TO-220	PNP	60	1k @ 1A	.31	.28	.22	.167
33013	TIP125 ♻	TO-220	PNP	60	1k @ 3A	.49	.45	.29	.26
194378	2N2905A ♻	TO-39	PNP	60	100 @ .15A	.45	.43	.41	.31
26454	MPQ2907	DIP-14	PNP	40	100 @ .15A	2.19	1.85	1.35	.99
28644	PN2907**	TO-92	PNP	40	100 @ .15A	✳	.106	.085	.045
211342	MPS2907A	TO-92	PNP	60	100 @ .15A	✳	.069	.061	.046
178520	PN2907A	TO-92	PNP	60	100 @ .15A	✳	.098	.064	.058
38279	2N2907A ♻ *	TO-18	PNP	60	100 @ .15A	.38	.333	.286	.257
25831	MJE2955T	TO-220	PNP	60	20 @ 4A	.53	.375	.361	.272
38375	2N3906**	TO-92	PNP	40	100 @ .01A	✳	.051	.035	.034
38447	2N4403*	TO-92	PNP	40	100 @ .15A	✳	.05	.049	.036
194571	2N6042	TO-220	PNP	100	1k @ 3A	.66	.60	.476	.447
194597	2N6052	TO-3	PNP	100	750 @ 6A	2.25	1.96	1.68	1.50

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 34

J-FETs

Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Desc.	BV_{GS} @ I_G(µA)	I_{DSS} (mA) @ V_{DS}	1	10	100	1000
26403	MPF102 ♻ *	TO-92	N-Ch	-25 @ -10	2 @ 15	$.21	$.155	$.11	$.08
253948	2N5457	TO-92	N-Ch	-25 @ -10	1 @ 15	.20	.18	.126	.102
253921	2N5458	TO-92	N-Ch	-25 @ -10	2 @ 15	✳	.10	.075	.071
38527	2N5951*	TO-92	N-Ch	-30 @ -1	7 @ 15	.69	.64	.44	.39
253913	2N5460	TO-92	P-Ch	40 @ 10	-1 @ -15	.38	.29	.21	.19

*10 pcs. in Transistor cabinet kit, pg 34

IGBTs

Part No.	Product No.	Pkg.	BV_{CES}	I_{CES}	1	5	50
785881	HGTP20N60A4 ♻	TO-220AB	600V	20mA	$5.05	$4.21	$3.70

N-Channel & P-Channel MOSFETs

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	5	50
870209	BUZ11_R4941 ♻	TO-220AB	N-ch	50	30A	$.82	$.66	$.50
787798	RFP12N10L ♻	TO-220AB	N-ch	100	12A	.65	.55	.47
787755	RFD14N05L ♻ ♠	TO-251AA	N-ch	50	14A	.55	.494	.417
873602	MTP3055VL ♻	TO-220	N-ch	60	12A	.81	.68	.539
875034	RFP40N10 ♻ ♠	TO-247	N-ch	100	40A	1.15	1.07	.90
785590	FQP50N06 ♻	TO-220	N-ch	60	—	1.65	1.45	1.04
875051	RFP50N06 ♻	TO-220AB	N-ch	60	50A	.99	.89	.75
871092	FDV303N	SOT-23	N-Ch	25	0.5A†	✳	.235	.212
178669	2N7000*	TO-92	N-Ch	60	0.2A	.25	.194	.136
875077	RFP70N06 ♻	TO-220AB	N-ch	60	70A	1.55	1.40	1.18
787851	RFP70N06_NL ♻ ♠	TO-220AB	N-ch	60	70A	1.55	1.40	1.18
871017	FDN337N ♻	SuperSOT-3	N-ch	30	10A	✳	.343	.309
874875	NDT3055L ♻	SOT-223	N-ch	60	10A	.55	.46	.40
787835	RFP3055LE_NL ♻ ♠	TO-251AA	N-ch	60	11A	.63	.514	.478
785901	HRF3205 ♻ ♠	TO-220AB	N-ch	55	100A	1.09	1.01	.98
787501	NDP4060L ♻	TO-220	N-ch	60	15A	.87	.70	.52
783578	2N5459 ♻	TO-92	N-ch	25	—	✳	.088	.085
783586	2N7000_D75Z ♻	TO-92	N-ch	60	75mA	✳	.078	.073
783594	2N7000_NL ♻	TO-92	N-ch	60	75mA	✳	.085	.08
783607	2N7002MTF ♻	SOT-23	N-ch	60	500mA	✳	.098	.089
785936	HUF75344G3 ♻ ♠	TO-247	N-ch	55	75A	2.09	1.91	1.61
785961	HUF75645P3 ♻ ♠	TO-220AB	N-ch	100	75A	2.69	2.46	2.07
785514	FQA36P15 ♻	TO-3P	P-Ch	-150	-36A	4.29	3.60	2.57
870188	BSS84 ♻	SOT-23	P-Ch	-50	-0.6A	✳	.118	.106
871113	FDV304P ♻	SOT-23	P-Ch	-25	-1A†	.50	.36	.294
870971	FDC640P ♻	Super SOT-6	P-Ch	-20	-20A	.39	.337	.279

†Digital FET

N-Channel MOSFETs

For more IR MOSFETs visit www.Jameco.com

Part No.	Product No.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100
1559885	IRF510PBF ♻	TO-22-AB	N-ch	100	5.6A	$.97	$.79	$.74
1560270	IRF640N	TO-220AB	N-Ch	200	18A	3.09	2.08	1.81
1559551	IRF1404PBF ♻ ♠	TO-220AB	N-Ch	40	202A	1.99	1.80	1.63

N-Channel & P-Channel MOSFETs

Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
669871	IRFZ24N	TO-220AB	N-Ch	55	17A	$.56	$.445	$.401	$.335
669927	IRFBG30	TO-220AB	N-Ch	1000	3.1A	1.65	1.31	1.00	.90
669935	IRFZ34N	TO-220AB	N-Ch	55	26A	.59	.468	.42	.348
669943	IRLZ34N	TO-220AB	N-Ch	55	30A	.69	.65	.60	.527
669951	IRFZ44N	TO-220AB	N-Ch	55	49A	.78	.62	.56	.52
669978	IRFZ46N	TO-220AB	N-Ch	55	53A	.99	.94	.88	.71
669986	IRFZ48N	TO-220AB	N-Ch	55	64A	.99	.80	.71	.59
256031	BS170	TO-92	N-Ch	60	—	✳	.10	.07	.06
670080	IRFP250	TO-247	N-Ch	200	30A	1.79	1.67	1.50	1.19
670101	IRFP260N	TO-247	N-Ch	200	50A	3.25	2.58	2.19	1.97
670135	IRFP450	TO-247	N-Ch	500	14A	2.46	1.98	1.79	1.50
670143	IRFP460	TO-247	N-Ch	500	20A	2.75	2.20	1.98	1.65
209234	IRF510	TO-220	N-Ch	100	5.6A	.69	.59	.55	.49
209226	IRF520	TO-220	N-Ch	100	10A	.56	.48	.45	.40
209058	IRL520N	TO-220	N-Ch	100	10A	.68	.63	.56	.468
210500	IRF530	TO-220	N-Ch	100	14A	.66	.57	.52	.49
670151	IRF530N	TO-220AB	N-Ch	100	17A	.71	.58	.444	.37
210518	IRF540	TO-220	N-Ch	100	27A	.78	.63	.57	.48
670194	IRL540N	TO-220AB	N-Ch	100	30A	1.07	1.00	.92	.65

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

N-Channel & P-Channel MOSFETs (Cont.)

Package see pg 33

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
210526	IRF620	TO-220	N-Ch	200	6.0A	$.45	$.42	$.35	$.264
210534	IRF630⊕	TO-220	N-Ch	200	9.0A	.73	.65	.58	.43
210542	IRF640	TO-220	N-Ch	200	18A	.79	.65	.60	.50
670231	IRF644	TO-220AB	N-Ch	250	14A	.99	.88	.74	.65
210551	IRF730	TO-220	N-Ch	400	5.5A	.59	.53	.47	.353
210569	IRF740♻	TO-220	N-Ch	400	10A	1.25	1.10	.89	.80
210577	IRF820	TO-220	N-Ch	500	4.0A	.48	.46	.43	.28
210585	IRF830	TO-220	N-Ch	500	4.5A	.65	.62	.59	.44
184719	IRF840	TO-220	N-Ch	500	8.0A	1.28	1.05	.88	.50
693695	IRF1010NL	TO-262	N-Ch	55	85A	3.19	2.55	1.95	1.75
670274	IRF1310N	TO-220AB	N-Ch	100	42A	1.37	1.20	1.03	.80
670282	IRF1405	TO-220AB	N-Ch	55	169A	3.85	3.44	2.87	2.22
279460	VN2222LL	TO-92	N-Ch	60	.75A	.23	.20	.16	.14
618089	IRF3205⊕	TO-220	N-Ch	55	110A	2.39	1.75	1.45	1.26
670354	IRF3415	TO-220AB	N-Ch	150	43A	1.75	1.38	1.26	1.07
618071	IRL3705⊕	TO-220	N-Ch	55	89A	1.37	1.23	.98	.74
119423	2N7000♻	TO-92	N-Ch	60	0.3A	✳	.11	.10	.09
140169	2N7002♻	SOT-23	N-Ch	60	0.5A	✳	.084	.063	.038
256057	BS250	TO-92	P-Ch	-45	—	.37	.34	.30	.20
670442	IRF4905	TO-220AB	P-Ch	-55	-74A	2.10	1.96	1.84	1.52
670451	IRF4905S	D2PAK	P-Ch	-55	-74A	2.58	1.98	1.67	1.43
670477	IRF5210	TO-220AB	P-Ch	-100	-40A	1.70	1.37	1.32	1.29
670485	IRF5305	TO-220AB	P-Ch	-55	-31A	1.29	1.19	1.13	1.07
670522	IRLML6401	SOT-23	P-Ch	-12	-12A	.26	.21	.19	.16
670531	IRF7404♻	SOIC-8	P-Ch	-20	-7.7A	.66	.59	.492	.44
670565	IRFR9024	TO-252AA	P-Ch	-60	-8.8A	.71	.62	.523	.424
670581	IRF9Z34N	TO-220AB	P-Ch	-55	-1.8A	.84	.71	.64	.534
670629	IRF9520	TO-220AB	P-Ch	-100	6A	.99	.92	.86	.77
670741	IRF9530	TO-220AB	P-Ch	-100	-12A	.82	.66	.59	.492
670637	IRF9530N	TO-220AB	P-Ch	-100	-14A	.95	.75	.66	.56
670645	IRF9540N	TO-220AB	P-Ch	-100	-23A	1.19	1.03	.92	.77
670653	IRF9640	TO-220AB	P-Ch	-200	-11A	1.29	1.22	1.18	1.15

ON Semiconductor N-Channel & P-Channel MOSFETs

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
802732	NTB60N06	D2PAK	N-Ch	60	60A	$1.59	$1.48	$1.25	$1.13
885718	2N7000RLRA	TO-92	N-Ch	60	0.2A	✳	.105	.095	.086
879203	MTP2P50E	TO-220	P-Ch	500	2A	2.65	2.23	1.87	1.68

TOSHIBA N-Channel MOSFETs

Part No.	Product No.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
832552	2SK2837	TO-3P	N-Ch	500	20A	$4.29	$3.84	$3.47	$3.12

VISHAY N-Channel MOSFETs

Part No.	Product No.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
815787	SUP60N06-18	TO-220AB	N-Ch	60	60A	$3.65	$3.48	$3.18	$2.86

Intersil MOSFETs

Part No.	Product No.	Pkg.	Description	1	10	100	1000
1140831	ICL7667CPA♠	DIP-18	Dual pwr MOSFET driver	$1.65	$1.24	$1.18	$1.13

Transistor Assortment Cabinet Kit



Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

SAVE $14

Part No.	Description	Wt. (lbs.)	1	10
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	$75.95	$74.59
130374	Refill for 82595 (560 pcs.)	0.4	61.95	60.59

Hexfet Power MOSFETs

For more IR MOSFETs visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100
1562507	IRFR024NPBF♻♠	DPACK	N-ch	55	17A	$.68	$.54	$.49
1563147	IRFZ44NPBF♻	TO-220AB	N-ch	55	49A	.93	.76	.70
1561918	IRFD120PBF♻♠	DIP-4	N-ch	100	1.3A	.79	.68	.61
1562304	IRFP260NPBF♻	TO-247AC	N-ch	200	50A	3.29	2.63	2.37
1559990	IRF530NPBF♻♠	TO-220AB	N-ch	100	17A	1.09	.89	.82
1559666	IRF3415PBF♻♠	TO-220AB	N-ch	150	43A	1.79	1.43	1.28
1561352	IRF7822PBF♻♠	SO-8	N-ch	30	13A	2.35	1.87	1.69
1561387	IRF7832PBF♻♠	SO-8	N-ch	30	16A	1.79	1.52	1.38
1559931	IRF5210SPBF♻♠	D2PAK	P-ch	-140	-40A	1.95	1.63	1.47
1559965	IRF5305PBF♻♠	TO-220AB	P-ch	-55	-31A	1.25	1.11	.98
1563729	IRLML6402TRPBF♻	Micro-3	P-ch	-20	-3.7A	.30	.258	.232
1560747	IRF7341♻♠	SO-8	Dual N-ch	55	3.8A	1.79	1.62	1.45
1560940	IRF7416PBF♻♠	SO-8	P-ch	-30	-7.1A	.68	.62	.59
1561150	IRF7530PBF♻	Micro-8	Dual N-ch	20	5.4A	.68	.54	.49

Wakefield Heat Sinks

For more Wakefield Heat Sinks visit www.Jameco.com


1582591


1582639


1582663


1582743


1582698


1582794


1582831


1582778


1582541


1582575

Low-Power

✳ Minimum order 10 pieces

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582591	217-36CT6	D2Pak/TO-220/SOT-223/SOL-20	.74 x .60 x .36	✳	$.221	$.207
1582604	21736CTE6♻	D2Pak/TO-220/SOT-223/SOL-20	.74 x .60 x .36	✳	.392	.305
1582612	218-40CT3	Surface Mount	.32 x .90 x .40	✳	.54	.481
1582621	218-40CT5	Surface Mount	.50 x 1.03 x .40	✳	.42	.361
1582639	230-75AB♻	TO-220, LP, vert/horiz mnt	.50 x .57 x .75	✳	.275	.223
1582647	262-75AB-05	TO-220, horizontal mount	.50 x .75 x .53	✳	.336	.314
1582655	274-2AB	TO-220, low-cost, low-height	.75 x .52 x .38	✳	.196	.184
1582671	288-1ABE♻	TO-220/TO-202 compact	.22 x .88 x 1.25	.97	.77	.76
1582680	289-ABE	TO-218/TO-202/TO-220	.71 x 1.0 x .50	✳	.307	.276
1582663	287-1AB	TO-220, low-cost	.50 x 1.0 x 1.18	1.06	.85	.83

High-Power

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582743	637-15ABP	TO-220, high-eff., vertical	.50 x 1.38 x 1.0	$2.09	$1.51	$1.11
1582751	637-15ABPE♻	TO-220, high-eff., vertical	.50 x 1.38 x 1.0	1.49	1.31	1.18
1582840	667-10ABPP	TO-220, SpeedCLIP™	.50 x 1.38 x 1.0	1.55	1.39	1.24
1582760	647-15ABP	TO-220, high-performance	1.0 x 1.65 x 1.5	1.37	1.09	.93

BGA

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582698	624-35ABT4	Omni-directional pin fin for 21mm	.83 x .83 x .35	$2.39	$2.25	$2.15
1582701	625-25ABT4	Omni-directional pin fin for 25mm	.98 x .98 x .25	1.65	1.62	1.59
1582719	625-35AB♻	Omni-directional pin fin for 25mm	.98 x .98 x .35	1.38	1.29	1.21
1582794	658-35AB♻	Omni-directional pin fin for 27mm	1.1 x 1.1 x .35	1.04	.82	.69
1582807	658-45ABT4	Omni-directional pin fin for 27mm	1.1 x 1.1 x .45	2.59	2.19	1.78
1582815	658-60AB♻	Omni-directional pin fin for 27mm	1.1 x 1.1 x .60	1.32	1.05	.80
1582823	658-60ABT2	Omni-directional pin fin for 27mm	1.1 x 1.1 x .60	2.65	2.43	2.21
1582831	659-65ABT1	Unidirectional pin fin for 37mm	1.45 x 1.45 x .65	2.49	2.34	1.37

DIP

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582778	651-B♻	14/16-pin DIP & SRAM extruded	.25 x .74 x .24	$.83	$.59	$.50

Accessories

✳ Minimum order 10 pieces

Part No.	Product No.	Description	1	10	100
1582541	120-8♻	Silicon oil-based compound 8oz. jar	$27.65	$20.64	$19.78
1582559	173-7-220P♻	DeltaPAD™ insulator for TO-220	✳	.275	.206
1582575	175-6-240-P♻	KAPTON™ reinforced insulator for TO-220	✳	.196	.17

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Heat Sinks

For more Aavid Thermalloy Heat Sinks visit www.Jameco.com



696600 696626 696714 696722 696765

Part No.	Product No.	Type	Size (L" x W" x H")	1	10	100	250
696600	507222B00000G	Dual TO-220	1.47 x 1.75 x .375	$.39	$.381	$.375	$.37
696626	530002B02500	TO-220	2.52 x 1.65 x 1.00	1.49	1.42	1.35	1.25
696714	577002B00000G	TO-220	0.75 x 0.52 x 0.25	.23	.218	.21	.199
696722	581002B02500G	TO-220	1.00 x 0.64 x 0.64	1.19	1.06	1.05	1.03
696765	7109DG ♠	SMD	.763 x 1.00 x 0.45	1.04	.98	.97	.95

Heat Sinks

JAMECO ValuePro — A Jameco EXCLUSIVE

Our TO-3 & TO-220 heat sinks are made from black anodized aluminum (except for P/N 107297 which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P/N 42622 can be mounted vertically with solderable mounting tabs.



326757 326596 326693 326713

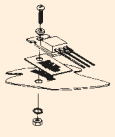
Part No.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100	1000
326757	529801B02500	TO-218	1.64 x 0.98 x 1.51	$1.02	$.98	$.83	$.71
326596	507302B00000	TO-220	0.75 x 0.38 x 0.74	.25	.23	.20	.18
326693	531002B05200	TO-220	1.38 x 0.50 x 1.00	.84	.75	.65	.495
326713	531102B02500 ⊕	TO-220	1.38 x 0.50 x 1.51	.92	.90	.88	.74

Other Manufacturers — Great Deal

16513	DUDE4	TO-3	4.80 x 1.50 x 1.30	$3.69	$3.43	$3.10	$2.80
151547	635-125B2	TO-3	1.90 x 1.40 x 1.30	1.45	1.26	1.07	.96
189835	635-5B2	TO-3	1.90 x 1.40 x 0.50	.73	.65	.60	.58
70915	THM6106	TO-220	1.20 x 1.00 x 0.50	.39	.334	.311	.289
42622	563002B00000 ⊕	TO-220	1.20 x 1.00 x 0.50	.33	.291	.273	.254
40504	291-H-36AB ⊕	TO-220	0.90 x 1.00 x 0.40	.76	.55	.477	.405
158051	577102B00000	TO-220	0.75 x 0.52 x 0.38	.39	.35	.28	.21
70658	THM6073 ⊕	TO-220	0.80 x 0.70 x 0.40	.29	.269	.26	.25
107297	PSC2-U (cup-style) ⊕	TO-220	0.80 x 1.00 x 0.40	.49	.44	.35	.26

Heat Sink Mounting Kit

- TO-220 heat sink insulator assemblies
- 10 kits per pack



Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	$3.95	$3.55	$3.19

Small Signal Diodes

Please Note: Manufacturer may vary

• Minimum order 10 pieces

Part No.	Cross Ref.	Mfr.	Pkg.	Description	10	100
179207	1N914	VSH	DO-35	100PRV	$.05	$.025
36311	1N914 **	✦	DO-35	75PRV, 0.01A	.022	.018
655269	1N914A	✦	DO-35	100VRRM, 0.2A	.025	.015
743824	1N914TR	FSC	DO-35	100VRRM, 0.2A	.033	.023
743285	1N4148_NL	FSC	DO-35	100VRRM, 0.2A	.016	.015
1537969	1N4148-T	DI	DO-35	100VRM, 150mA	.024	.019
743314	1N4148-TR	VSH	DO-35	100VRRM, 0.5A	.029	.02
743306	1N4148TR	FSC	DO-35	100VRRM, 0.2A	.026	.023
1538005	1N4148WT-7	DI	SOD-523	100VRM, 2A	.275	.247
1039433	MMSZ5230B-V-GS08	VSH	SOD123	4.7Vz,0.02A	.028	.025

✦ Jameco Value Offering VSH = Vishay FSC = Fairchild Semi DI = Diodes Inc.

**100 pcs. in Diode/Rectifier cabinet kit, pg 37

Zener Diodes

For more Fairchild Diodes visit www.Jameco.com

• Minimum order 10 pieces

Part No.	Product No.	Pkg.	V_{Znom}	Pwr Dissipation	10	100
784917	BZX55C12	DO-35	12.7V	0.5W	$.039	$.035
785012	BZX84C4V3	SOT-23	4.6V	0.35W	.039	.035
784950	BZX84C10	SOT-23	9.4V	0.35W	.056	.049
743787	1N753A	DO-35	6.2V	0.5W	.039	.035
783261	1N748A	DO-35	3.9V	0.5W	.04	.035
743752	1N750A	DO-35	4.7V	0.5W	.08	.058
743795	1N75AA	DO-35	6.8V	0.5W	.035	.03
743331	1N4728ATR	DO-41	3.3V	1W	.035	.032
782786	1N4730ATR	DO-41	3.9V	1W	.061	.041
782794	1N4734ATR	DO-41	5.6V	1W	.061	.052
743373	1N4735ATR	DO-41	6.2V	1W	.098	.078
782823	1N4736ATR	DO-41	3.8V	1W	.035	.032
743381	1N4737ATR	DO-41	7.5V	1W	.069	.041
743390	1N4739ATR	DO-41	9.1V	1W	.035	.032
782831	1N4740ATR	DO-41	10.0V	1W	.035	.032
743411	1N4742ATR	DO-41	12.0V	1W	.061	.055
743429	1N4743ATR	DO-41	13.0V	1W	.061	.046
743437	1N4744ATR	DO-41	15.0V	1W	.079	.069
743445	1N4745ATR	DO-41	16.0V	1W	.032	.031
782882	1N4746ATR	DO-41	18.0V	1W	.035	.032
743461	1N4747ATR	DO-41	20.0V	1W	.049	.039
782911	1N4748ATR	DO-41	22.0V	1W	.065	.041
782920	1N4749ATR	DO-41	24.0V	1W	.049	.039
743470	1N4750ATR	DO-41	27.0V	1W	.065	.041
782946	1N4751ATR	DO-41	30.0V	1W	.035	.032
782962	1N4752ATR	DO-41	33.0V	1W	.074	.065
783009	1N5228B	DO-35	3.9V	0.5W	.039	.027
783084	1N5234B_NL	DO-35	6.2V	0.5W	.039	.027
783113	1N5239BTR	DO-35	9.1V	0.5W	.039	.027

Zener Diodes

Please Note: Manufacturer may vary

• Minimum order 10 pieces

Part No.	Cross Ref.	Mfr.	Pkg.	V_{Znom}	Pwr Dissipation	10	100
36290	1N751A *	✦	DO-35	5.1V	0.5W	$.03	$.022
178773	1N4732A	VSH	DO-41	4.7V	1W	.088	.069
813271	1N4732A-TAP	VSH	DO-41	4.7V	1.3W	.284	.274
36097	1N4733A *	✦	DO-41	5.1V	1W	.08	.065
813319	1N4733A-TR	VSH	DO-41	5.1V	1.3W	.098	.078
178802	1N4735A	VSH	DO-41	6.2V	1W	.049	.044
36126	1N4735A *	✦	DO-41	6.2V	1W	.059	.039
178837	1N4739A	✦	DO-41	9.1V	1W	.057	.038
813360	1N4741A-TR	VSH	DO-41	11.0V	1.3W	.098	.078
36169	1N4742A *	✦	DO-41	12V	1W	.074	.059
743402	1N4742AT/R	NXP	DO-41	12.0V	1W	.039	.035
36185	1N4744A	✦	DO-41	15V	1W	.058	.035
1538101	1N4744A-T	DI	DO-41	15.0V	1W	.069	.062
179047	1N5231B	✦	DO-35	5.1V	0.5W	.04	.035
804973	1N5366BG	ONS	017AA	39.0V	5W	.359	.323
1305412	1N5368BG	ONS	017AA	47.0V	5W	.172	.156
805010	IN5369BG	ONS	017AA	51.0V	5W	.315	.269
1539649	BZT52C5V1-7-F	DI	SOD-123	5.1V	0.5W	.035	.032
1539526	BZT52C13-7-F	DI	SOD-123	13.0V	0.5W	.035	.032
1542717	ZMM5231B-7	DI	MiniMELF	5.1V	0.5W	.033	.031
850654	BZV55-C5V1T/R	NXP	SOD-80C	5.0V	0.5W	.061	.045
1539884	BZX84C4V7-7-F	DI	SOT-23	4.7V	0.35W	.294	.265
1539905	BZX84C5V6-7-F	DI	SOT-23	5.6V	0.35W	.297	.267
1539913	BZX84C6V2-7-F	DI	SOT-23	6.2V	0.35W	.297	.267
850857	BZX84-C11T/R	NXP	SOT-23	10.8V	0.25W	.049	.039

✦ Jameco Value Offering VSH = Vishay NXP = Philips DI = Diodes Inc. ONS = ON Semiconductor

*10 pcs. in Diode/Rectifier cabinet kit, pg 37

Additional Heat Sinks, Small Diodes and Zener Diodes available at www.Jameco.com

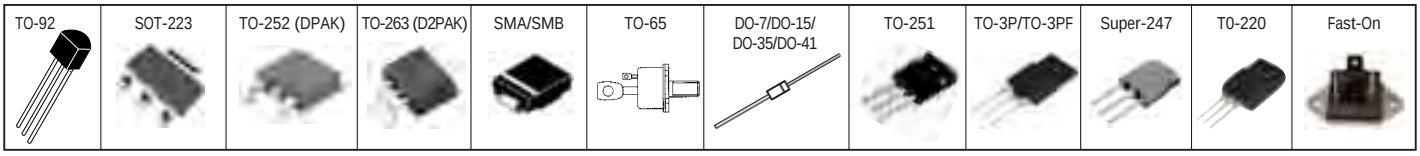
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Diodes, Triacs & Rectifiers

RoHS RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave



Avago Diodes

For more Avargo Diodes visit www.Jameco.com

Part No.	Product No.	Pkg.	Breakdown Voltage	Description	1	5	50
1547905	5082-2800	Glass axial	7	Schottky barrier gen. purp.	$1.49	$1.32	$1.25
1547956	5082-2835	Glass axial	8	Schottky barrier gen. purp.	1.49	1.33	1.26
1547981	5082-3080	Glass axial	100	Pin diode for RF swtch & Atten	4.09	3.68	3.23
1547999	5082-3081	Glass axial	100	Pin diode for RF swtch & Atten	3.19	2.94	2.80
1556908	HSMS-282P-BLKG	SOT-363	15	RF schottky barrier bridge quad	1.30	1.23	1.15
1556633	HSMS-2800-BLKG	SOT-23	70	RF schottky barrier single	.39	.314	.305
1556650	HSMS-2802-BLKG	SOT-23	70	RF schottky barrier series	.56	.508	.441
1556668	HSMS-2802-TR1G	SOT-23	70	RF schottky barrier single	.57	.545	.475
1556676	HSMS-2804-BLKG	SOT-23	70	RF schottky barrier common cathode	.51	.46	.414
1556692	HSMS-2805-BLKG	SOT-143	70	RF schottky barrier unconnected pair	.57	.545	.475
1556713	HSMS-2810-BLKG	SOT-23	20	RF schottky barrier single	.56	.509	.461
1556730	HSMS-2812-BLKG	SOT-23	20	RF schottky barrier series	.87	.79	.71
1556828	HSMS-2822-BLKG	SOT-23	15	RF schottky barrier series	.61	.56	.504
1556861	HSMS-2824-BLKG	SOT-23	15	RF schottky barrier com cathode	.61	.56	.505
1556879	HSMS-2825-BLKG	SOT-143	15	RF schottky barrier unconn pair	.61	.56	.503
1556887	HSMS-2825-TR1G	SOT-142	15	RF schottky barrier unconn pair	.71	.65	.59
1556473	HSMP-3810-TR1G	SOT-23	100	RF pin low dist atten sngle comm anode	.52	.475	.416
1556502	HSMP-3814-BLKG	SOT-23	100	RF pin low dist atten com cathode	.81	.74	.68
1556596	HSMP-4810-BLKG	SOT-323	100	RF pin diode low dist atten dual cathode	.74	.68	.61
1556561	HSMP-3864-BLKG	SOT-363	50	Pin diode gen. purp. Unconn trio com cathode	.63	.58	.516
1556609	HSMP-4820-BLGK	SOT-23	50	RF pin diode switch & limiter dual anode	.63	.58	.495
1556924	HSMS-2850-BLKG	SOT-23	150mVF@0.1mA	Zero bias schottky detector diode single	.92	.82	.76
1556991	HSMS-8202-BLKG	SOT-23	250mVF@ 0.1mA	Microwave schottky mixer diode series	1.35	1.27	1.12

Diodes

Please Note: Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Mfr.	Pkg.	Description	1	10	100
1683165	BAS21E6327XT♠	INF	SOT-23	250VRM, 0.25A (Switching)	✳	$.021	$.019
915323	BAS40-04T/R	NXP	SOT-23	40VR, 120mA (Schottky)	✳	.137	.125
1683405	BAS40E6327XT♠	INF	SOT-23	40VR, 0.12A (Schottky)	✳	.043	.04
870145	BAT54_NL	FSC	SOT-23	30VRRM, 0.2A (Schottky)	✳	.046	.041
915500	BAT54A-CT	NXP	SOT-23	30VR, 0.2A (Schottky, double)	✳	.049	.044
1684272	BAV70E6327XT♠	INF	SOT-23	85VRM, 0.20A (Switching)	✳	.019	.017
915972	BAV99ST/R	NXP	SOT-363	85VRRM, 0.5A (Switching)	✳	.063	.06
1684361	BAV99E6327XT♠	INF	SOT-23	85VRM, 0.20A (Switching)	✳	.019	.017
1684379	BAV99SE6327XT♠	INF	SOT-363	85VRM, 0.20A (Switching)	✳	.054	.051
35941	1N270*	✦	DO-7	80PRV (Germanium)	.99	.86	.74
915251	BAS316T/R	NXP	SOD-323	100VRRM, 0.5A (Switching)	✳	.146	.079
1538865	B340A-13F	DI	SMA	40VRRM, 3A (Schottky)	.43	.362	.325
1540501	LL4148-7♠	DI	MiniMELF	100VRRM, 150mA (Fast switch)	✳	.018	.017
1631269	MMBD914LT1XT♠	INF	SOT-23	100VRM, 250mA	✳	.016	.015
312101	MBR1100	✦	DO-41	100PRV, 1.0A (Schottky)	.26	.234	.187
179215	1N4148	VSH	DO-35	100PRV (Switching)	✳	.04	.032
36038	1N4148 **	✦	DO-35	75PRV, 0.01A (Switching)	✳	.03	.025
151247	1N4148T	✦	DO-35	75PRV, 0.01A (Switching)	✳	.009	.085
743293	1N4148T/R	NXP	DO-35	100VRRM, 0.5A (Switching)	✳	.012	.01
743710	1N6263	ST	DO-35	60VRRM, 50mA (Schottky)	✳	.08	.065
743656	1N5711	ST	DO-35	70VRRM, 15mA (Schottky)	.40	.29	.20
953637	ISL9R460P2_NL	FSC	TO-220	60VRRM, 4A	1.37	1.11	.95

✦ Jameco Value Offering FSC = Fairchild NXP = Philips INF = Infineon VSH = Vishay
DI = Diodes Inc. ST = ST Micro *10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, pg 37

SanRex® Fast-On and Thru-Hole Package Triacs

Part No.	Product No.*	Pkg.	Rating (X_{DRM}, $I_{T(RMS)}$)	1	10	100
658216	TG35E60	Fast-On	Isolated 35A, 600V	$7.99	$7.09	$6.55
658267	TG35F40	Fast-On	Isolated 35A, 400V	7.99	7.09	6.55
658275	TG35F60	Fast-On	Isolated 35A, 600V	7.29	6.44	5.95
657192	TMG8C60F	TO-220F	Isolated 8A, 600V	.86	.81	.76
657272	TMG20C60F	TO-220F	Isolated 20A, 600V	1.49	1.40	1.30

* For cross references to Littelfuse, ST, and ON Semi products, refer to datasheets @ Jameco.com.

Triacs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Mfr.	Pkg.	Type	Rating	1	10	100
31819	SC146B	✦	TO-220	Triac	200 V_{DRM}, 10A (2N6342)	$1.29	$1.15	$.99
31827	SC146M	✦	TO-220	Triac	600 V_{DRM}, 10A (2N6344)	1.99	1.79	1.61
220492	Q4008R4	TEC	TO-220AB	Triac	400 V_{DRM}, 8A	.80	.71	.68
139336	Q4015L5	✦	TO-220AB	Triac	400 V_{DRM}, 15A	1.55	1.36	1.25
220505	Q6025R6	TEC	TO-220AB	Triac	600 V_{DRM}, 25A	2.39	2.19	1.97
220521	Q6035P5	TEC	TO-3	Triac	600 V_{DRM}, 35A	7.98	6.78	5.09
140425	2N6071A	✦	TO-225AA	Triac	200 V_{DRM}, 4A	.29	.27	.25

✦ Jameco Value Offering TEC = Teccor

ON Semiconductor SCRs

For more ON Semi SCRs visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Rating	1	10	100
798251	MCR100-6G	TO-92	400VDRM, 0.8A	✳	$.17	$.16

ON Semiconductor Rectifiers

For more ON Semi Rectifiers visit www.Jameco.com

✳ Minimum order 5 pieces

Part No.	Product No.	Pkg.	Rating	1	5	50
804527	1N4006RLG	59-10	800 @ 1A	✳	$.026	$.023
804543	1N4007RLG	59-10	1000 @ 1A	✳	.22	.20
743664	1N5817G	DO-41	20 @ 1A	✳	.138	.113
743672	1N5818G♠	DO-41	30 @ 1A	✳	.094	.09
743681	1N5819G	DO-41	40 @ 1A	✳	.163	.141
743699	1N5820G♠	DO-201AD	20 @ 3A	✳	.192	.178
805167	1N5821G	DO-201AD	30 @ 3A	✳	.214	.179
805183	1N5822G	DO-201AD	40 @ 3A	✳	.238	.204
743701	1N5822RLG	DO-201AD	40 @ 3A	✳	.178	.146
802020	MUR105G	DO-41	50 @ 1A	✳	.25	.224
879262	MUR110G♠	DO-41	100 @ 1A	✳	.153	.116
879975	MURS120T3G♠	SMB	200 @ 1A	★	Call	Call
879289	MUR120G♠	DO-41	200 @ 1A	✳	.206	.177
865864	MBRS130LT3	SMB	30 @ 1A	✳	.291	.255
865899	MBRS130LT3G♠	SMB	30 @ 1A	★	Call	Call
865944	MBRS130T3G♠	SMB	30 @ 1A	★	Call	Call
802089	MUR140G♠	DO-41	400 @ 1A	✳	.154	.142
879991	MURS140T3	SMB	400 @ 1A	✳	.13	.12
866058	MBRS140T3G♠	SMB	40 @ 1A	★	Call	Call
879414	MUR160G♠	DO-41	600 @ 1A	✳	.15	.116
886622	MBR160G♠	DO-41	60 @ 1A	✳	.132	.113
886711	MBR360G♠	DO-201AD	60 @ 6A	✳	.161	.146
886729	MBR360RLG	DO-201AD	60 @ 6A	✳	.134	.121
879668	MUR420G♠	DO-201AD	200 @ 4A	✳	.21	.189
802353	MUR460G	DO-201AD	600 @ 4A	✳	.347	.304
802433	MURD620CTG♠	DPAK	200 @ 6A	✳	.30	.256
801553	MR851RLG	DO-201AD	100 @ 3A	✳	.111	.104
802450	MURH860CTG	TO-220AB/3	600 @ 8A	1.35	1.12	1.00
879810	MUR860	TO-220AC/2	600 @ 8A	1.15	1.00	.76
808341	MBR1045G♠	TO-220AC/2	45 @ 10A	✳	.55	.462
808376	MBR1060G♠	TO-220AC/2	60 @ 10A	✳	.471	.436
802046	MUR1100EG♠	DO-41	1000 @ 1A	✳	.254	.214
865784	MBRS1100T3♠	SMB	100 @ 1A	★	Call	Call
879318	MUR1520G♠	TO-220AC/2	200 @ 15A	.92	.75	.70
879334	MUR1540	TO-220AC/2	400 @ 15A	1.40	1.34	1.18
879511	MUR1620CTR	TO-220AB/3	200 @ 16A	1.65	1.39	1.07
802193	MUR1640CTG	TO-220AB/3	400 @ 16A	1.00	.96	.94
790647	MBR1645G	TO-220AC/2	45 @ 16A	.82	.68	.63
879094	MRA4004T3	SMA	400 @ 1A	✳	.155	.137
879625	MUR4100EG	DO-201AD	1000 @ 8A	.40	.34	.29
886585	MBR10100G♠	TO-220AC/2	100 @ 10A	.85	.79	.74
886657	MBR20100CTG	TO-220AB/3	100 @ 20A	1.05	.95	.81

★ Please call or visit our website for minimum order quantity and pricing

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Silicon Controlled Rectifiers (SCRs)

Manufacturer may vary

Part No.	Cross Ref.	Mfr.	Pkg.	Rating	1	10	100	1000
14859	C38M	✦	TO-65	600 PRV, 35A (2N3899)	$6.89	$6.19	$5.59	$5.05
14736	C106B1*	✦	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46	.40
14752	C122B	✦	TO-220	200 PRV, 8A	.73	.66	.63	.52
14761	C122M	✦	TO-220	600 PRV, 8A†	1.35	1.25	1.05	.69
119802	2N5060	✦	TO-92	25 PRV, 0.8A	.21	.19	.15	.12
160135	S6025L	TEC	TO-220AB	600 V_{DRM}, 25A	1.69	1.53	1.37	1.04

†Isolated ✦ Jameco Value Offering TEC = Teccor *10 pcs. in Diode/Rectifier cabinet kit, below right

Rectifiers

For more Diodes Rectifiers visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Rating	1	10	100
1538566	6A4-T	R-6	400 V_{RRM}, 6A	✳	$.344	$.31
1537871	1N4001-T	DO-41	50 V_{RRM}, 1A	✳	.042	.03
1537889	1N4002-T	DO-41	100 V_{RRM}, 1A	✳	.039	.029
1537897	1N4003-T	DO-41	200 V_{RRM}, 1A	✳	.02	.019
1537918	1N4004-T♠	DO-41	400 V_{RRM}, 1A	★	Call	Call
1537926	1N4005-T♠	DO-41	600 V_{RRM}, 1A	★	Call	Call
1537951	1N4007-T♠	DO-41	1000 V_{RRM}, 1A	★	Call	Call
1538187	1N4937-T	DO-41	600 V_{RRM}, 1A	✳	.069	.059
1538304	1N5399-T	DO-41	1000 V_{RRM}, 1.5A	✳	.029	.019
1538339	1N5401-T	DO-201AD	50 V_{RRM}, 3A	.40	.275	.19
1538363	1N5404-T	DO-201AD	400 V_{RRM}, 3A	✳	.275	.19
1538380	1N5408-T	DO-201AD	1000 V_{RRM}, 1A	.40	.275	.19
1538419	1N5819HW-7-F	SOD-123	40 V_{RRM}, 1A (Schottky)	.70	.57	.42
1538427	1N5819-T♠	DO-41	40 V_{RRM}, 1A (Schottky)	✳	.074	.069
1538435	1N5822-T	DO-201AD	40 V_{RRM}, 3A (Schottky)	.67	.536	.401

★ Please call or visit our website for minimum order quantity and pricing

Rectifiers

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Rating	1	10	100
785400	FEP16CT	TO-220AB	150 V_{RRM}, 16A	$.98	$.81	$.65
785418	FEP16FT	TO-220AB	300 V_{RRM}, 16A	.94	.78	.63
871594	MBR0520L	SOD-123	20 V_{RRM}, 0.5A (Schottky)	✳	.221	.199

General Instrument Rectifiers

For more Vishay Rectifiers visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Rating	1	10	100
1543592	1N4001-CT	DO-204AL	50 V_{RRM}, 1A	✳	$.05	$.04
1543613	1N4003-TR	DO-204AL	200 V_{RRM}, 1A	✳	.03	.024
1543648	1N4004-TR	DO-204AL	400 V_{RRM}, 1A	✳	.033	.029
1543728	1N4935-TR	DO-204AL	200 V_{RRM}, 1A	✳	.101	.091

Rectifiers

Manufacturer may vary

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Rating	1	10	100
177754	T6A05L	T6L	50 PIV, 6A	$.36	$.32	$.288
177762	T6A10L	T6L	100 PIV, 6A	.75	.65	.55
177818	T6A100L	T6L	1000 PIV, 6A	.80	.72	.65
35924	1N1188	DO-5	400 PRV, 35A	4.49	4.45	4.14
35975	1N4001 *	DO-41	50 PRV, 1A	✳	.04	.028
76961	1N4002	DO-41	100 PRV, 1A	✳	.043	.031
76970	1N4003	DO-41	200 PRV, 1A	✳	.025	.02
35991	1N4004 **	DO-41	400 PRV, 1A	✳	.04	.028
76988	1N4005	DO-41	600 PRV, 1A	✳	.03	.024
76996	1N4006	DO-41	800 PRV, 1A	✳	.042	.03
36011	1N4007 *	DO-41	1000 PRV, 1A	✳	.04	.03
36249	1N5401	DO-27A	100 PIV, 3A	✳	.108	.091
77083	1N5402	DO-27A	200 PRV, 3A	✳	.10	.075
36265	1N5404*	DO-27A	400 PRV, 3A	✳	.112	.105
36273	1N5408 *	DO-27A	1000 PRV, 3A	✳	.15	.11
177949	1N5817	DO-204AL	20 PIV, 1A	✳	.12	.09
177957	1N5818	DO-204AL	30 PIV, 1A	✳	.07	.056
177965	1N5819	DO-204AL	40 PIV, 1A	✳	.10	.085
177990	1N5822	DO-201AD	40 PIV, 3A	.21	.18	.168

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, right

Bridge Rectifiers

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Rating	1	10	100
1540041	DF02S-T	D-S	200 PRV, 1A	✳	$.221	$.207
1540050	DF04S-T	DFS	400 V_{RRM}, 1A	✳	.218	.205
1540421	HD04-T	Mini DIP-4	400 V_{RRM}, 0.8A	.63	.50	.376
1541431	RS402L	RS-4L	100 V_{RRM}, 4A	✳	.64	.60
1541466	RS405L	RS-4L	600 V_{RRM}, 4A	✳	.436	.409

General Instruments Bridge Rectifiers

Part No.	Cross Ref.	Pkg.	Rating	1	10	100
1544835	GBU8D	GBU	200 V_{RRM}, 8A	$1.27	1.07	$.94

Bridge Rectifiers

For more Fairchild Rectifiers visit www.Jameco.com

Part No.	Cross Ref.	Pkg.†	Rating	1	10	100
785709	GBPC3504W	GBPC	400 V_{RRM}, 35A	$3.19	$2.67	$2.36

† GBPC – plastic case, metal base

Bridge Rectifiers

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.†	Rating	1	10	100
178001	DF005M	DF	50 PIV, 1A	$.39	$.351	$.22
103000	DF01M	DF	100 PIV, 1A	.30	.27	.216
103042	DF02M ⊕	DF	200 PIV, 1A	.35	.30	.22
102971	DF04M	DF	400 PIV, 1A	.37	.32	.23
103034	DF06M	DF	600 PIV, 1A	.24	.221	.21
103026	DF10M	DF	1000 PIV, 1A	.27	.227	.195
256575	DF08M	DIP-4	800 PIV, 1.5A	.29	.25	.21
145429	KBP02M	KBP	200 PIV, 1.5A	.40	.35	.29
119562	KBP04M *	KBP	400 PIV, 1.5A	.48	.432	.346
279494	W005G	W0G	50 PIV, 1.5A	.38	.32	.28
103018	W02G	W0G	200 PIV, 1.5A	.47	.38	.31
102980	W04G	W0G	400 PIV, 1.5A	.41	.365	.328
279515	W10G	W0G	1000 PIV, 1.5A	.48	.42	.35
178124	W005M	W0M	50 PIV, 1.5A	.35	.31	.23
178132	W01M	W0M	100 PIV, 1.5A	.44	.324	.24
178183	BR805D	BR8D	50 PIV, 2A	.55	.49	.39
178204	BR82D	BR8D	200 PIV, 2A	.85	.77	.69
178247	BR810D	BR8D	1000 PIV, 2A	.48	.43	.37
253260	2KBP06M	KBP	600 PIV, 2A	.54	.467	.286
253286	2KBP10M	KBP	1000 PIV, 2A	.48	.42	.324
179477	GBPC25-01	GBPC	100 PIV, 25A	2.29	1.86	1.53
179485	GBPC25-02	GBPC	200 PIV, 25A	2.39	1.94	1.59
178280	MB254	MB35	400 PIV, 25A	2.35	2.10	1.90
178335	TB252	TB35	200 PIV, 25A	2.09	1.85	1.69
25574	MDA990-3	179-01	200 PIV, 30A	3.99	3.45	2.99
25591	MDA990-6	179-01	600 PIV, 30A	4.59	4.29	3.99
299882	GBPC1204	GBPC	400 V_{RRM}, 12A	2.99	2.67	1.89
299874	GBPC1206	GBPC	600 V_{RRM}, 12A	3.15	2.65	1.91
178431	MB358 ⊕	MB35	800 PIV, 35A	3.59	3.29	2.75
178503	TB3510	TB35	1000 PIV, 35A	3.25	2.65	2.40

*10 pcs. in Diode/Rectifier cabinet kit, pg 37

† DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers



Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N3600, 1N4001, 1N4007, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

SAVE 9%

Part No.	Description	Wt. (lbs.)	1	10
82587	420 pcs. (15 types) diode kit	5.0	$42.95	$38.95
130366	Refill for 82587 (420 pcs.)	0.3	36.79	32.45

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New | Sale | Lower$ | QtySave

Optoisolators

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
40985	4N25R	DIP-6	Diode, NPN phototransistor	$.24	$.22	$.19
671808	4N25S	SOIC-6	General purpose phototransistor	.31	.233	.13
41005	4N26	DIP-6	Diode, NPN phototransistor	.29	.263	.235
671816	4N26S	SOIC-6	General purpose phototransistor	.29	.233	.131
41013	4N28R	DIP-6	Diode, NPN phototransistor	.25	.213	.16
41021	4N32R	DIP-6	Diode, NPN photodarlington	.26	.221	.166
41030	4N33R	DIP-6	Diode, NPN photodarlington	.29	.28	.25
41056	4N35R	DIP-6	Diode, NPN phototransistor	.29	.26	.235
671832	4N35SR	SOIC-6	General purpose phototransistor	.31	.24	.18
277510	6N135	DIP-8	High-speed transistor optocoupler	.63	.54	.405
42471	6N136	DIP-8	High speed transistor optocoupler	.75	.64	.52
113911	6N137	DIP-8	High-speed logic optocoupler	.65	.51	.48
42489	6N138	DIP-8	Low input curr., hi-gain split darlington	.77	.64	.48
113929	6N139	DIP-8	High-speed, high-gain darlington	.66	.56	.45
18825	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor	.62	.52	.39
113996	H11F1	DIP-6	Isolated FET	1.69	1.39	1.10
113988	H11L1	DIP-6	Schmitt trigger output photocoupler	.63	.58	.56
320207	H11L2	DIP-6	Photo FET optocouplers	.66	.56	.45
114083	ISQ203	DIP-16	Quad channel NPN phototransistor	2.95	2.66	1.99
24918	MCT6	DIP-8	Dual channel NPN phototransistor	.68	.55	.42
672317	MCT61R	DIP-8	Dual channel NPN phototransistor	.50	.389	.323
672325	MCT62R	DIP-8	Dual channel NPN phototransistor	.57	.50	.36
672245	MOC205	SOIC-8	Optocoupler phototransistor	.63	.478	.27
672253	MOC206	SOIC-8	Optocoupler phototransistor	.49	.359	.28
672261	MOC207	SOIC-8	Optocoupler phototransistor	.41	.329	.272
672309	MOC217	SOIC-8	Optocoupler phototransistor	.64	.486	.278
26278	MOC3010	DIP-6	Bilateral triac driver	.56	.49	.41
95020	MOC3011	DIP-6	Bilateral triac driver	.68	.51	.383
671859	MOC3012S	SOIC-6	Random phase triac driver	.55	.40	.34
277780	MOC3020	DIP-6	Random phase triac driver	.52	.398	.31
95038	MOC3021R	DIP-6	Bilateral triac driver	.56	.52	.47
671883	MOC3022S	SOIC-6	Random phase triac driver	.53	.45	.269
277819	MOC3023R	DIP-6	Random phase triac driver	.46	.419	.353
671904	MOC3023S	SOIC-6	Random phase triac driver	.53	.45	.349
277835	MOC3041R	DIP-6	Zero crossing triac driver	.75	.62	.465
672165	MOC3081	DIP-6	Zero crossing triac driver	1.05	.91	.66
672181	MOC3163	DIP-6	Zero crossing phototriac driver	1.38	1.11	.79
672202	MOC8102	DIP-6	Optocoupler phototransistor	.45	.381	.306
672211	MOC8103	DIP-6	Optocoupler phototransistor	.45	.38	.24
672229	MOC8104	DIP-6	Optocoupler phototransistor	.26	.252	.242
672237	MOC8106R	DIP-6	Optocoupler phototransistor	.50	.378	.217
672106	MOC8111	DIP-6	Phototransistor, no base	.30	.26	.182
672122	MOC8112R	DIP-6	Phototransistor, no base	.30	.26	.21
672131	MOC8113R	DIP-6	Phototransistor, no base	.30	.259	.181
672069	MOC8021R	DIP-6	Photodarlington optocoupler	.53	.44	.35
672149	MOC8050R	DIP-6	Photodarlington optocoupler	.59	.49	.32
320653	PS2501-1	DIP-4	Single transistor photocoupler	.20	.19	.185
671912	PS2501L-1	SOP-4	Single transistor photocoupler	.38	.329	.282
320661	PS2501-2	DIP-8	Single transistor photocoupler	.51	.459	.418
160338	PS2501-4	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
320696	PS2502-2	DIP-8	Darlington photocoupler	1.42	1.16	1.05
160362	PS2502-4	DIP-16	Photo darlington & transistor/detector	1.75	1.61	1.39
320725	PS2505-4	DIP-16	High isolation voltage photocoupler	1.98	1.59	1.43
320805	PS2532-4	DIP-16	High collector to high emitter volt. photocoupler	2.34	2.25	2.08
785813	HCPL2630R	DIP-8	Dual chan. high spd. 10MB logic gate optocoupler	2.39	1.92	1.68

Infineon Optoisolators

For more Infineon Optoisolators visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1628490	ILD2♠	DIP-8	Dual channel phototransistor	$.64	$.60	$.56
1628668	ILQ1♠	DIP-16	Quad channel phototransistor	1.85	1.63	1.41
1628676	ILQ2♠	DIP-16	Quad channel phototransistor	1.79	1.57	1.34
1628828	ILQ74♠	DIP-16	Quad channel phototransistor	1.89	1.66	1.43
1696353	IL207AT♠	SOIC-8	Phototransistor diode	18.45	15.34	14.20

Avago Optocouplers

For more Avago Optocouplers visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
1547876	4N35-000ER	DIP-6	Phototransistor optocoupler gen. purp. ✳	$.20	$.187	
1583210	4N46-000ER	DIP-6	High gain darlington output opto.	2.39	1.92	1.63
1548107	6N136-000ER	DIP-8	Single channel, high-speed opto	1.11	1.03	.97
1583261	6N136-020ER	DIP-8	Single channel, high-speed opto	1.39	1.19	.95
1548131	6N137-000ER	DIP-8	High CMR, hi-spd TTL compatible opto.	1.24	1.18	.87
1583287	6N137-300ER	DIP-8	High CMR, hi-spd TTL compatible opto.	1.29	1.03	.86
1583308	6N138-000ER	DIP-8	Single ch. low input current, high gain opto.	1.15	.87	.80
1583316	6N139-000ER	DIP-8	Single ch. low input current, high gain opto.	1.19	.89	.81
1549441	HCPL-060L-000ER	SOIC-8	Hi-spd LVTTL compatible 3.3V opto.	1.99	1.84	1.72
1549610	HCPL-063L♠	SOIC-8	Hi-spd LVTTL compatible 3.3V opto	4.45	3.66	3.45
1549644	HCPL-063N	SOIC-8	HCMOS compat., dual-ch., high-CMR, 10MBd opto. (0.400" W)	7.65	7.12	6.67
1549003	HCNW136	DIP-8	Single channel, high-speed opto (.400" W)	1.99	1.84	1.72
1549020	HCNW137	DIP-8	High CMR, hi-spd TTL compat. opto. (0.400" W)	2.35	2.16	2.02
1549054	HCNW139	DIP-8	Low input curr., high gain opto. (0.400" W)	2.65	2.46	2.30
1549193	HCPL-0201♠	SOIC-8	Very high CMR, wide Vcc logic gate opto	2.69	2.20	2.04
1550493	HCPL-314J	SOIC-16	0.6A output current IGBT gate drive opto.	2.99	2.76	2.58
1550549	HCPL-316J-000ER	SOIC-16	2.5A gate drv opto. w/ integ. desat. detect. & fault status	5.05	4.71	4.41
1549265	HCPL-0453	SOIC-8	Single channel, high-speed opto	2.05	1.88	1.76
1549329	HCPL-0501-000ER	SOIC-8	Single channel, high-speed opto	1.43	1.33	1.25
1549361	HCPL-0531	SOIC-8	Dual channel, high-speed opto	3.45	3.21	3.01
1549417	HCPL-0601♠	SOIC-8	Single ch, hi-spd TTL compatible opto	1.75	1.39	1.21
1550995	HCPL-M601	SO-5	High CMR, hi-spd logic gate opto.	2.19	2.02	1.89
1549521	HCPL-0630♠	SOIC-8	Dual ch. high CMR, hi-spd TTL compat. opto.	4.05	3.34	3.14
1549530	HCPL-0630-000ER	SOIC-8	Dual ch. high CMR, hi-spd TTL compat. opto.	4.49	4.07	3.82
1549732	HCPL-0710♠	SOIC-8	40ns propagation delay, CMOS opto.	5.09	3.79	3.60
1549741	HCPL-0710-000ER	SOIC-8	40ns propagation delay, CMOS opto.	5.25	4.79	4.49
1549839	HCPL-0731	SOIC-8	Dual ch. low input current, high gain opto.	4.09	3.72	3.49
1549935	HCPL-2200♠	DIP-8	Sngl ch, low input current logic gate opto	2.49	2.03	1.92
1549978	HCPL-2211	DIP-8	Sngl ch., very high CMR, wide Vcc logic gate opto.	3.05	2.80	2.63
1550012	HCPL-2231♠	DIP-8	Dual ch., very high CMR, wide Vcc logic gate opto.	6.29	5.17	4.86
1550039	HCPL-2231-300ER	SOIC-8	Dual ch., very high CMR, wide Vcc logic gate opto.	6.79	6.36	5.97
1550047	HCPL-2232	DIP-8	Dual ch., very high CMR, wide Vcc logic gate opto.	8.99	8.18	7.67
1550055	HCPL-2232-300♠	DIP-8	Dual ch., very high CMR, wide Vcc logic gate opto.	8.19	6.72	6.32
1550143	HCPL-2530	DIP-8	Dual channel, high-speed opto	2.09	1.93	1.81
1550151	HCPL-2531♠	DIP-8	Dual channel, high-speed opto	1.95	1.74	1.52
1550186	HCPL-2601	DIP-8	Sngl ch., high CMR, hi-spd TTL compat. opto.	1.69	1.54	1.44
1550231	HCPL-2611♠	DIP-8	Sngl ch., high CMR, hi-spd TTL compat. opto.	1.75	1.62	1.49
1550282	HCPL-2630-000ER	DIP-8	Dual ch., high CMR, hi-spd TTL compat. opto.	3.09	2.87	2.69
1550311	HCPL-2630-300ER	DIP-8	Dual ch., high CMR, hi-spd TTL compat. opto.	3.15	2.92	2.73
1550320	HCPL-2631	DIP-8	Dual ch., high CMR, hi-spd TTL compat. opto.	3.35	3.10	2.91
1550389	HCPL-2730-000ER	DIP-8	Dual ch. low input current, high gain opto.	2.59	2.41	2.26
1550581	HCPL-3700-000ER	DIP-8	AC/DC to logic interface opto.	3.49	3.26	3.06
1584167	HCPL-3700-300ER	SOIC-8	AC/DC to logic interface opto.	3.19	2.64	2.43
1584175	HCPL-3760-000ER	DIP-8	AC/DC to logic interface opto.	4.95	4.07	3.95
1584183	HCPL-4100-000ER	DIP-8	Optically coupled 20mA current loop transmitter	5.69	4.75	4.61
1584191	HCPL-4200-000ER	DIP-8	Optically coupled 20mA current loop transmitter	5.69	4.74	4.61
1550645	HCPL-4503	DIP-8	Single channel, high-speed opto	1.69	1.56	1.49
1584204	HCPL-4503-000ER	DIP-8	Single channel, high-speed opto	1.85	1.49	1.34
1550661	HCPL-4504-000ER	DIP-8	Hi-spd, high CMR optocoupler	2.09	1.93	1.81
1550768	HCPL-7601	DIP-8	CMOS/TTL compat. low inp. curr., hi-spd, high CMR opto.	2.65	2.20	2.07
1584212	HCPL-7601-000ER	DIP-8	CMOS/TTL compat. low inp. curr., hi-spd, high CMR opto.	2.65	2.20	2.02
1584221	HCPL-7710-000ER	DIP-8	40ns propagation delay, CMOS opto.	4.09	3.36	3.26
1584239	HCPL-7710-300ER	DIP-8	40ns propagation delay, CMOS opto.	4.09	3.40	3.23
1584247	HCPL-7800-300	SOIC-8	Isolation amplifier optocoupler	8.29	6.80	6.34
1584263	HCPL-7800A-300ER	SOIC-8	Isolation amplifier optocoupler	10.79	8.97	8.24
1550881	HCPL-7840-300ER	SOIC-8	Isolation amplifier optocoupler	5.49	5.10	4.78
1584280	HCPL-788J-000ER	SOIC-16	Isolation amplifier optocoupler	6.59	5.44	4.99

SHARP Optocouplers

For more Sharp Optocouplers visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
1623891	PC357TJ000F♠	Mini-4	Gen. purpose photocoupler	$.50	$.42	$.33
1623971	PC817XJ0000F♠	DIP-4	Gen. purpose photocoupler ✳	.41	.30	
1623980	PC844X1J000F♠	DIP-16	4-ch AC input photocoupler	1.46	1.16	1.16
1623998	PC847XJJ000F♠	DIP-16	4-ch general purpose photocoupler	1.33	1.11	.89

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

CLARE Optocouplers

For more Clare Optoisolators visit www.Jameco.com

Part No.	Product No.	Pkg.	Description	1	10	100
1582891	ITC117P ♻ *	DIP-16	Intergrated telecom circuit	$3.95	$3.22	$3.01
1583105	LDA100S ♻	DIP-6	Opto. w/ sngl or darlington trans. output	.82	.70	.472
1583113	LOC110 ♻	DIP-8	Single linear optocoupler	2.39	1.67	1.27
1583121	LOC110S ♻	SOIC-8	Single linear optocoupler	4.85	3.34	2.47
1583130	LOC111 ♻	DIP-8	Single linear optocoupler	2.79	1.96	1.48
1583156	PD2401 ♻	DIP-16	AC solid state switch w/ optical coupling	5.75	4.80	4.44
1583172	PS1201 ♻	SIP-8	AC pwr switch, dual pwr SCR outputs	6.49	4.50	3.40
1583181	TS117 ♻	DIP-8	1-Form-A relay w/ optocoupler	3.39	2.34	1.77
1583199	TS117S ♻	SOIC-8	1-Form-A relay w/ optocoupler	3.39	2.36	1.77
1583201	TS117STR ♻	SOIC-8	1-Form-A relay w/ optocoupler	3.39	2.36	1.79

* 1-Form-A solid state relay, bridge rectifier, darlington transistor & optocoupler

Optoisolators/Optocouplers

For more Fairchild Optoisolators visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
743752	1N750A ♻	SOIC-8	40ns propagation delay, CMOS opto.	✳	$.08	$.058
783666	4N35SM ♻ ♠	SOIC-6	Gen. purpose phototransistor opto.	✳	.312	.29
871199	H11A1M ♻ ♠	DIP-6	Gen. purpose phototransistor opto.	✳	.299	.278
785776	H11F1S ♻ ♠	SOIC-6	Photo FET opto.	2.55	2.30	1.94
871341	H11L1M ♻	DIP-6	Optoisolator logic output	.78	.70	.60
871367	H11L1SM ♻ ♠	SOIC-6	Optoisolator logic output	.82	.68	.541
871261	H11A817C ♻ ♠	DIP-4	Phototransistor optocoupler	★	Call	Call
785792	H22B3 ♻ ♠	4-pin sltd	Photodarlington optical interrupter switch	.98	.87	.76
785805	HCPL2531S ♻ ♠	SOIC-8	Dual ch. high-speed transistor opto.	1.95	1.83	1.73
785813	HCPL2630 ♻	DIP-8	Dual ch. high-speed 10mbit/s logic gate opto.	2.39	1.92	1.68
871463	HCPL2631 ♻ ♠	DIP-8	Dual ch. high-speed 10mbit/s logic gate opto.	2.35	1.87	1.68
785821	HCPL2631S ♻	SOIC-8	Dual ch. high-speed 10mbit/s logic gate opto.	1.95	1.78	1.50
785830	HCPL2730 ♻ ♠	DIP-8	Dual ch. low-inp. curr. high-gain split darl. opto.	1.79	1.65	1.39
873493	MOC207M ♻ ♠	SOIC-8	Optocoupler transistor output	.56	.41	.30
698912	MOC3010M ♻	DIP-6	Random-phase triac driver output optoisolator	✳	.367	.344
698947	MOC3031M ♻	DIP-6	Zero-cross Triac driver output optoisolator	.64	.60	.56

★ Please call or visit our website for minimum order quantity and pricing

LITEON Optocouplers

For more LiteOn Optocouplers visit www.Jameco.com

Photo Transistor Output

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	BV_{CEO}	Isolation Volt. (RMS)	Curr. Trans. Ratio (Min.)	1	10	100
878227	LTV-814 ♻ †	DIP-4	35	5000	20	$.29	$.245	$.194
878243	LTV-817 ♻	DIP-4	35	5000	50	✳	.177	.139
790823	LTV817S-TA ♻	SOIC-4	35	5000	50	✳	.175	.139
878260	LTV-827 ♻	DIP-8	35	5000	50	.42	.353	.276
878286	LTV-847 ♻	DIP-16	35	5000	50	.83	.73	.55

† AC Input

TOSHIBA Optocouplers

For more Toshiba Optocouplers visit www.Jameco.com

Transistor Output

✳ Minimum order 10 pieces

Part No.	Product No.	Pkg.	Curr.Trans Ratio Min. (%)	Curr.Trans Ratio (VCE@IF)	Collector Bkdwn Volt.	Iso. Volt. (V_{RMS})	1	10	100
833310	TLP124BV	SOIC-4	200	5V@1mA	80	3750	$.91	$.68	$.508
833707	TLP281-4(GB,F) ♠	SOIC-16	100	5V@5mA	80	2500	1.75	1.39	1.04
833862	TLP620(F,T) ♠	DIP-4	50	5mA	55	5000	.59	.441	.331
833897	TLP620(GB,F,T) ♠	DIP-4	100	5mA	55	5000	.79	.61	.47
833993	TLP621 ♠	DIP-4	50	5mA	55	5000	★	Call	Call
834021	TLP621(BL,F,T) ♠	DIP-4	200	5mA	55	5000	✳	.268	.242
834056	TLP621(F,T) ♠	DIP-4	50	5V@5mA	55	5000	.51	.383	.287
834072	TLP621(GB,F,T) ♠	DIP-4	100	5mA	55	5000	✳	.249	.224

★ Please call or visit our website for minimum order quantity and pricing

Thyristor Output

Part No.	Product No.	Pkg.	LED Trigger Curr. Max.	Blocking Voltage	Isolation Voltage	1	10	100
833408	TLP161J(U,C,F) ♠	SOIC-4	10mA	600	2500	$.89	$.74	$.59
833731	TLP3062S ♠	DIP-5	10mA	600	5000	.77	.58	.51
765185	TLP525G(F)	DIP-4	10mA	400	2500	.89	.74	.59

AVAGO Hermetically Sealed Optocouplers

Part No.	Product No.	Pkg.	Description	1	10	100
1583324	8102801EC	DIP-16	2-channel, high speed, high CMR logic gate opto.	$59.95	$55.85	$54.85
1583332	8102802PC	DIP-8	2-channel, high speed, high CMR logic gate opto.	63.59	58.64	57.59
1583228	5962-8876901PC	DIP-8	2-channel, low IF, wide VCC, logic gate opto.	102.25	101.67	101.08
1583236	5962-8978501PA	DIP-8	2-channel, low IF, wide VCC, high gain opto.	67.35	66.97	66.58
1583244	5962-8981001PC ♻	DIP-8	1-channel, low IF, wide VCC, high gain opto.	85.89	80.17	75.15
1583252	5962-9085501HPC	DIP-8	1-channel, high speed, high CMR logic gate opto.	51.49	47.48	46.65

OPTEK Optocouplers

NEW

For more Optek Optocouplers visit www.Jameco.com

Fiber Optic LED

Part No.	Product No.	Fiber Type	Power	V_F @ I_F	1	10	100
1873786	OPF372A ♻	50/125µm fiber	29µW	1.8 @ 100mA	$17.25	$16.00	$15.14
1873778	OPF370A ♻ ♠	50/125µm fiber	29µW	1.8 @ 100mA	8.79	8.26	7.73

Photodiode

Part No.	Product No.	Power	Wavelength	1	10	100
1873815	OPF482 ♻	200mW	860nm	$15.35	$14.40	$13.45

OSRAM Photodiodes

For more OSRAM Photodiodes visit www.Jameco.com

Part No.	Product No.	Package	Description	1	10	100
1621132	BPW34 ♠	DIL-2	Photodiode	$.74	$.66	$.58
1621159	BPW34FA ♠	DIL-2	Photodiode w/ Daylight Filter	1.55	1.43	1.34

Slotted Optical Switches



4-pin w/ tab

Part No.	Cross Ref.	Pkg.	Description	1	10	100
114091	H21A1 ♻	4-pin w/ tab	Single channel slotted interrupter	$.75	$.70	$.60
320901	H21A3	4-pin w/ tab	Phototransistor optical switch	.84	.74	.57

OPTEK Slotted Optical Switches

For more Optek Optical Switches visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Description	NEW	1	10	100
1872661	OPB620 ♻ ♠	4-pin	Slotted optical switch		$1.79	$1.61	$1.46
1872863	OPB804 ♻ ♠	4-pin	Slotted optical switch		1.79	1.61	1.46
1872919	OPB815WZ ♻ ♠	4-wires	Deep gap slotted optical switch w/ 24" wire		4.79	4.29	3.90
1872960	OPB821Z ♻ ♠	4-wires	Slotted optical switch w/ 4.5" wires		4.59	4.20	3.80
1872951	OPB821S5Z ♻ ♠	4-wires	Slotted optical switch w/ 4.5" wires		5.35	4.76	4.21
1872994	OPB826S ♻ ♠	4-pin	Dual channel slotted optical switch		8.05	6.58	6.08
1873073	OPB840W55Z ♻ ♠	4-wires	Slotted optical switch w/ wires, side mount		5.35	4.78	4.21
1873102	OPB850A ♻ ♠	4-wires	Slotted optical flag switch		3.19	3.02	2.84
1873209	OPB866T55 ♻ ♠	4-pin	Slotted optical switch w/ mounting tabs		2.99	2.68	2.36
1873356	OPB891T51Z ♻ ♠	4-pin	Slotted optical switch w/ mounting tabs		4.39	3.67	3.39
1873444	OPB930W51Z ♻ ♠	5-wires	Photologic® slotted optical switch w/ wires		6.05	4.97	4.59
1873452	OPB941W51Z ♻ ♠	5-wires	Photologic® slotted optical switch w/ wires		5.29	4.79	4.54
1873727	OPB993T51Z ♻ ♠	5-wires	Photologic® slotted optical switch w/ mtg tabs & wires		5.29	4.36	4.03

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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Fiber Optic Transceivers

The HFBR-5701 (IEEE802.3 1000BASE-SX/fiber channel)/5710 (IEEE802.3 1000BASE-SX) are optical transceivers that are compliant with the specifications set forth in the IEEE802.3 (100BASE-SX), fiber channel (100-M5-SN-1, 100-M6-SN-1), and the small form factor pluggable (SFP). Its primary application is servicing Gigabit Ethernet and fiber channel links between optical networking equipment. The HBCU-5710R electrical transceiver offers full duplex throughput of 1000 Mb/s by transporting data over shielded and unshielded twisted pair category 5 cable with 5-level PAM (Pulse Amplitude Modulation) signals. The 1000BASE-T module takes signals from both the twisted pair category 5 cable and the SerDes interface.


1553336


1584722

Part No.	Product No.	Description	1	10	100
1553336	HFBR-53A5VEM	850nm, SC duplex 3.3V, E shield	$150.99	$122.99	$114.79
1548810	HBCU-5710R	P1000Base-T, low voltage (3.3V)	164.99	153.82	144.21
1553352	HFBR-5710LP	For gigabit ethernet	159.99	159.89	149.23
1584722	HFBR-5701LP	For gigabit ethernet & fiber ch.	155.99	145.60	136.50

Miniature Link Package

Designed to provide cost effective, high perfomance fiber optic communication links for information systems and industrial applications with link distances of up to 2.7km. With the HFBR-24X6, the 125MHz analog receiver, data rates of up to 160MBd are attainable. Directly compatible with popular industry standard connectors ST, SMA, SC, and FC. Completely specified with multiple fiber sizes. Applications: LAN, digital cross connect links, central office switch/PBX links, video links, modems and multiplexers, industrial control links.


1584562


1584597

1584642


1552966

Transmitters

Part No.	Product No.	Description	1	10	100
1584562	HFBR-1404Z♻	SMA, Tx high power	$17.95	$15.41	$14.45
1552616	HFBR-1412	ST, Tx standard power	20.29	18.62	17.72
1552624	HFBR-1412T	ST, Tx std power, threaded port	17.95	16.60	15.41
1552632	HFBR-1412TM	ST, Tx std power, threaded/metal port	20.65	19.26	18.06
1584571	HFBR-1412TZ♻	ST, Tx std power, threaded port	17.95	15.41	14.45
1584589	HFBR-1412Z♻	ST, Tx std power	17.95	15.41	14.45
1552641	HFBR-1414	ST, Tx high power	20.65	19.27	18.06
1552667	HFBR-1414T	ST, Tx high power, threaded port	17.99	16.60	15.42
1584597	HFBR-1414TZ♻	ST, Tx high power, threaded port	22.09	16.57	15.30

Receivers

Part No.	Product No.	Description	1	10	100
1552878	HFBR-2402	SMA, Rx, 5MBd, TTl output	$17.05	$15.34	$14.81
1584642	HFBR-2402Z♻	SMA, Rx, 5MBd, TTL output	17.95	16.86	14.45
1552894	HFBR-2412	ST, Rx, 5MBd, TTL output	20.65	19.25	18.06
1552907	HFBR-2412T	ST, Rx, 5MBd, TTL output, threaded port	21.19	19.74	18.51
1552966	HFBR-2416	ST, Rx, 125MHz, analog, threaded port	21.19	19.74	18.51

1300nm Discrete Optical Components

HFBR-1312/2316 series transmitter/receiver provide low cost fiber optic links. Signal rates over 155MBd, link distances over 5km, DIP panel mountable ST and SC connector receptacles, auto insertable and wave solderable, specified with 62.5/125 5m and 50/125 5m fiber. Compatible with HFBR-0400 series. HFBR-1119/2219 series data links are high performance for serial optical data communications specified at 266MBd, designed for 50 or 62.5 μm core multimode optical fiber at 1300nm.


1552587


1584634

Part No.	Product No.	Data Rate (MBd)	Distance (m)	Connector	1	10	100
1552587	HFBR-1312T	32/160	5000	ST	$61.55	$57.40	$53.81
1552595	HFBR-1312TZ♻	32/160	5000	ST	65.95	61.50	57.40
1552851	HFBR-2316T	32/160	5000/2000	ST	61.55	57.40	53.81
1552860	HFBR-2316TZ♻	32/160	5000/2000	ST	69.95	61.50	57.40
1584546	HFBR-1119TZ♻	266	1500	ST	80.45	67.08	64.68
1584634	HFBR-2119TZ♻	266	1500	ST	80.45	67.08	64.68

Versatile Link Package

For more Avago Fiber-Optics visit www.Jameco.com

The most cost effective family of fiber optics from AVAGO consists of discrete transmitters and receivers based on 660nm technology. Optimized from 1mm plastic fiber and 200μm HCS™ fiber.


1552798


1553109

Transmitters

Part No.	Product No.	Data Rate MBd	Distance (M) POF	Distance (M) HCS	Op. Temp. °C	Pricing 1	Pricing 10	Pricing 100
1552712	HFBR-1521	5	20	—	-40 – 85	$11.29	$8.47	$7.83
1584600	HFBR-1521Z♻	5	20	—	-40 – 85	11.29	8.47	7.83
1552721	HFBR-1522	1	45	—	-40 – 85	8.69	7.84	7.58
1584618	HFBR-1522Z♻	1	45	—	-40 – 85	11.29	8.47	7.83
1552739	HFBR-1523	40kBd	110	—	-40 – 85	10.49	9.86	9.24
1552747	HFBR-1524♠	1	110	—	-40 – 85	8.69	8.14	7.58
1552763	HFBR-1527	32/125	40/30	1000/100	0 – 70	11.95	10.43	9.91
1552771	HFBR-1528	10	100	900	-40 – 85	12.49	11.62	10.89
1552780	HFBR-1531♠	5	20	—	-40 – 85	8.69	8.14	7.58
1552798	HFBR-1532	1	45	—	0 – 70	11.69	10.82	10.10

Receivers

Part No.	Product No.	Data Rate MBd	Distance (M) POF	Distance (M) HCS	Op. Temp. °C	Pricing 1	Pricing 10	Pricing 100
1553029	HFBR-2521	5	20	—	-40 – 85	$8.69	$7.84	$7.58
1584669	HFBR-2521Z♻	5	20	—	-40 – 85	11.29	8.47	7.83
1553037	HFBR-2522	1	45	—	-40 – 85	10.85	10.10	9.47
1553045	HFBR-2523♠	40kBd	110	—	0 – 70	10.39	9.07	8.61
1553061	HFBR-2524	1	10	—	0 – 70	10.85	10.10	9.47
1553070	HFBR-2526	32/125	40/30	1000/100	0 – 70	17.29	16.24	15.15
1553088	HFBR-2528	10	100	900	-40 – 85	19.49	18.18	17.05
1584677	HFBR-2531Z♻	5	20	—	0 – 70	11.29	8.47	7.83
1553109	HFBR-2532	1	45	—	0 – 70	10.49	9.85	9.23

2 & 3 Channel Enclosed Encoders

HEDS-5500/5540 are high-performance optical increment encoders. 2/3 channel digital outputs and single 5V supply input are accessed through five 0.025" square pins on 0.1" centers.


1584474

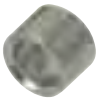



1584466

• Operating temp.: -40˚C to 100˚C • Quick assembly • TTL compatible

Part No.	Product No.	Outputs	Counts/Rev.	Shaft Dia.	1	10	100
1584474	HEDM-5500$B06♻	2-ch	1000	1/4"	$41.05	$39.67	$38.29
1584491	HEDS-5500$A06♻	2-ch	500	1/4"	53.75	46.97	44.65
1584503	HEDS-5500$A11♻	2-ch	500	4mm	59.39	53.48	50.09
1584511	HEDS-5505$A06♻	2-ch	500	1/4"	53.25	44.66	40.53
1584520	HEDS-5540$A05♻	3-ch	500	3/16"	41.05	39.67	38.29
1584466	HEDL-6540$B13♻	3-ch	1000	3/8"	174.69	163.06	152.87

Plastic Optical Fiber Connectors


1553150

Part No.	Product No.	Description	1	10	100
1553141	HFBR-4501	Gray simplex connector/crimp ring	$.74	$.68	$.56
1553150	HFBR-4501Z♻	Gray simplex connector/crimp ring	.74	.69	.65
1553168	HFBR-4503	Gray simplex latching connector w/ ring	.64	.60	.56
1553176	HFBR-4505	Gray adapter (bulkhead/feedthrough)	1.11	1.02	.84
1584685	HFBR-4505Z♻	Gray adapter (bulkhead/feedthrough)	.94	.84	.76
1553184	HFBR-4506	Parchment duplex conn. w/crimp ring	1.25	1.15	.95
1584693	HFBR-4506Z♻	Parchment duplex conn. w/ crimp ring	1.05	.95	.86
1553205	HFBR-4513	Blue simplex latching conn. w/ crimp ring	.64	.60	.56
1553221	HFBR-4516	Gray duplex conn. w/ crimp ring	1.25	1.17	1.10
1553248	HFBR-4531	Black crimpless simplex non-latching conn.	.53	.50	.47
1584706	HFBR-4531Z♻	Black crimpless simplex non-latching conn.	.54	.48	.44
1584714	HFBR-4593Z♻	Polishing kit	3.69	3.30	2.96

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

Fig. 12

Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 18


Fig. 19


Fig. 20


Fig. 21


Fig. 22

CML LEDs

For more Chicago Miniature LEDs visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100
1767473	5372T3-5VLC♻ ♠	1	Amber	PCB indicator, RA	T 3/4	—	0.2	0.13	0.1	5	4	565	—	**$1.35**	**$1.16**	**$1.10**
1766323	4300F1LC♻ ♠	2	Red	Solid state, red diffused	T1	0.119/3	0.175	0.95	0.1	1.8	1.8	635	50	✳	**.302**	**.274**
1766366	4301F1/5♻ ♠	3	Red/Green	Solid state, bi-color, white diffused	T1	0.119/3	0.175	1	0.1	1.8/2.1	12.6/3/7	660/565	—	**.63**	**.51**	**.47**
1766391	4302F5-5V♻ ♠*	4	Red	Red diffused	T1	0.119/3	0.175	1.06	0.1	5	8	635	60	**.50**	**.48**	**.412**
1766438	4303F1♻ ♠	5	Red	Solid state, red diffused	T1	0.119/3	0.24	1	0.1	2	10	650	90	✳	**.153**	**.145**
1767191	5325F5♻ ♠	6	Amber	PCB indicator, RA	T1	0.119/3	0.118	1		2.2	10	603	—	**.88**	**.69**	**.49**
1767422	5360F1♻ ♠	7	Red	4-wide, PCB indicator, RA	T1	0.119/3	0.27	0.175	0.1	2	10	650	—	**1.95**	**1.58**	**1.15**
1767596	5600F1♻	8	Red	PCB indicator, RA	T1	0.119/3	0.251	0.188	0.1	2	10	650	—	✳	**.371**	**.268**
1767609	5600F5♻	8	Green	PCB indicator, RA	T1	0.119/3	0.251	0.199	0.1	2.2	16	562	—	**.50**	**.408**	**.386**
1767617	5600F5LC♻ ♠	8	Green	PCB indicator, RA	T1	0.119/3	0.251	0.118	0.1	1.8	2.1	565	—	**.56**	**.53**	**.50**
1767633	5602F5-5V♻ *	8	Green	PCB indicator, RA	T1	0.119/3	0.251	0.118	0.1	5	8	565	—	**.73**	**.59**	**.43**
1767684	5650F1♻ ♠	8	Red	PCB indicator, RA	T1	0.119/3	0.29	0.13	0.1	2	10	650	—	✳	**.371**	**.268**
1767713	5650F5♻	9	Green	PCB indicator, RA	T1	0.119/3	0.29	0.113	0.1	2.2	16	562	—	✳	**.371**	**.268**
1767781	5680F1;1♻ ♠	10	Red	Bi-level, PCB indicator, RA	T1	0.119/3	0.39	0.175	0.1	2	10	650	—	**.70**	**.57**	**.41**
1767799	5680F5;5♻ ♠	10	Green	Bi-level, PCB indicator, RA	T1	0.119/3	0.39	0.175	0.1	2.2	16	562	—	**.71**	**.58**	**.42**
1767836	5693F5;5;5-A♻ ♠	11	Green	Tri-level, PCB indicator, RA	T1	0.119/3	0.6	0.145	0.1	2.2	10	562	—	**2.25**	**1.84**	**1.33**
1766340	4300H1LC♻ ♠	12	Red	Solid state, red diffused	T1 3/4	0.197/5	0.34	1	0.1	1.8	2.3	635	50	✳	**.306**	**.29**
1766411	4302H1-5V♻ ♠*	13	Red	Red diffused	T1 3/4	0.197/5	0.347	0.99	0.1	5	8	635	60	**.56**	**.46**	**.42**
1766471	4304H1♻ ♠	13	Red	Solid state, red diffused	T1 3/4	0.197/5	0.331	0.945	0.1	2	6.3	650	65	✳	**.141**	**.13**
1766497	4304H5♻	13	Green	Solid state, green diffused	T1 3/4	0.197/5	0.331	0.945	0.1	2.1	10	563	75	✳	**.138**	**.131**
1766542	4305H5♻ ♠	13	Red	Non-diffused red	T1 3/4	0.197/5	0.342	0.945	0.1	2.1	68	650	30	✳	**.182**	**.173**
1766673	4361H1-5♻ ♠	14	Red/Green	Tri-color	T1 3/4	0.197/5	0.684	1.89	0.1	2.0/2.1	6.3/10	650/563	60	**.56**	**.457**	**.419**
1766948	5300H1/5♻ ♠	15	Red/Green	PCB indicator, bi-color, RA	T1 3/4	0.197/5	0.24	0.13	0.1	2.2	6	650/565	—	**.83**	**.67**	**.49**
1766956	5300H1LC♻ ♠	15	Red	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	1.8	2.3	635	—	**.53**	**.449**	**.382**
1766981	5300H5LC♻ ♠	15	Green	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	1.8	2.3	565	—	**.53**	**.47**	**.382**
1767086	5307H5♻ ♠	15	Green	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	2.1	6.3	563	—	**.69**	**.55**	**.40**
1766999	5300H6♻	15	Blue	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	5	160	430	—	**1.75**	**1.49**	**1.41**
1767001	5300H7LC♻ ♠	15	Yellow	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	1.9	2.1	585	—	**.82**	**.64**	**.52**
1767027	5302H1-5V♻ ♠*	15	Red	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	5	8	635	—	**.65**	**.56**	**.43**
1767035	5302H3-5V♻ ♠*	15	Amber	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	5	8	583	—	**.76**	**.60**	**.48**
1767043	5302H5-5V♻ ♠*	15	Green	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	5	8	565	—	**.73**	**.59**	**.43**
1767051	5305H1/5♻	16	Red/Green	Tri-color, PCB indicator, RA	T1 3/4	0.197/5	0.3	0.13	0.1	2.1	6.3/10	650/565	—	**1.79**	**1.59**	**1.38**
1767060	5306H1♻ ♠	17	Red	PCB indicator, RA	T1 3/4	0.197/5	0.43	0.13	0.1	2	6.3	650	—	**.61**	**.49**	**.40**
1767377	5338H7♻ ♠	17	Yellow	PCB indicator, RA	T1 3/4	0.197/5	0.38	0.12	0.1	2.1	10	585	—	**.82**	**.64**	**.52**
1767481	5380H1♻ ♠	18	Red	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	2	6.3	650	—	**.52**	**.424**	**.307**
1767254	5330H7♻ ♠	18	Yellow	LED lamp assembly	T1 3/4	0.197/5	0.87	0.15	0.1	2.2	25	585	—	**.61**	**.52**	**.40**
1767300	5332H1♻ ♠	19	Red	Vertical LED assembly	T1 3/4	0.197/5	0.19	0.15	0.1	2.1	68	650	—	**.69**	**.55**	**.40**
1767511	5380H5♻ ♠	20	Green	PCB indicator, RA	T1 3/4	0.197/5	0.24	0.13	0.1	2.2	10	563	—	**.52**	**.424**	**.307**
1767529	5381H1LC♻ ♠	21	Red	PCB indicator, straight	T1 3/4	0.197/5	0.45	0.13	0.1	1.8	2.3	635	—	**.57**	**.49**	**.387**
1766690	4363D1/5♻ ♠	22	Red/Green	Solid state, tri-color	2mm x 5mm	—	0.199	1	0.1	1.9/2.1	3.5/4.0	635/565	50	**.82**	**.78**	**.74**

* With integrated resistor

CML Mounting Clip

An economical mounting clip that installs quickly and provides secure mounting for T1 3/4 high dome LEDs such as 4301H, 4304H, 4305H or 4308H

- Material: black polypropylene
- Mounting hole: 0.250" diameter for panels up to 0.125" thick

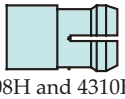


• Minimum order 5 pieces

Part No.	Product No.	Description	5	50
1766526	4304MC♻ ♠	Mounting clip	**$.137**	**$.108**

CML Panel Mount Lens

This lens provides quick and economical mounting plus electrostatic discharge protection for T1 3/4 high dome LEDs. Molded in fresnel rings spread light evenly, provides wide viewing angle. Use with 4305H, 4308H and 4310H



- Material: polycarbonate
- Mounting hole: snap into 0.248" Dia.

• Minimum order 5 pieces

Part No.	Product No.	Description	5	50
1766614	4311♻	Red panel mount lens	**$.287**	**$.26**

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*


Fig. 1


Fig. 2


Fig. 3


Fig. 4

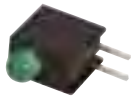

Fig. 5


Fig. 6


Fig. 7

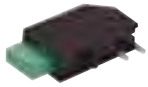

Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13

Dialight LEDs

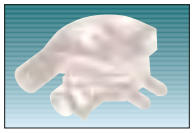
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Part No.	Product No.	Fig.	Emitting Color	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	WaveLength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100
Standard LEDs															
1714339	521-9211F♠	1	Yellow	T1	0.119/3	0.175	1	0.1	2.1	10	585	60	**$.50**	**$.42**	**$.377**
1714355	521-9216F♠	1	Red	T1	0.119/3	0.175	1	0.1	2	7.4	635	60	**.50**	**.42**	**.377**
1714371	521-9246F	1	Red	T1 ¾	0.197/5	0.346	1	0.1	2.2	7	635	60	**.50**	**.44**	**.40**
1714435	521-9250F	1	Green	T1 ¾	0.197/5	0.347	1	0.1	2.3	4.2	565	60	**.50**	**.44**	**.40**
PCB Indicators															
1716449	555-2001♠	2	Red	—	2mm	0.25	0.145	0.1	1.6	1.2	650	40	**$.80**	**$.74**	**$.69**
1716465	555-2003♠*	2	Red	—	2mm	0.25	0.145	0.1	6.0	1.9	650	40	**.89**	**.84**	**.78**
1716676	555-4301♠	3	Green	—	2mm	0.25	0.135	0.1	2.4	1.0	565	40	**3.69**	**3.39**	**3.09**
1716641	555-4003♠*	3	Green	—	2mm	0.25	0.135	0.1	6.0	1.9	650	40	**3.55**	**3.29**	**3.02**
1716692	555-4303♠*	3	Yellow	—	2mm	0.25	0.135	0.1	4.7	2.5	565	40	**3.65**	**3.37**	**3.09**
1717695	571-0132F♠	4	Yellow/Green	—	2mm	0.339	0.118	0.1	2.1	12.6/8.7	585/565	38	**1.32**	**1.02**	**1.00**
1715411	551-0207♠	5	High efficiency Green	T1	0.119/3	0.28	0.145	0.1	2.1	16	563	45	**.55**	**.50**	**.47**
1715438	551-0207F♠	5	High efficiency Green	T1	0.119/3	0.28	0.145	0.1	2.1	16	563	45	**.55**	**.50**	**.46**
1715446	551-0209♠	5	High-efficiency Green	T1	0.119/3	0.25	0.145	0.1	2.1	16	563	45	**.81**	**.68**	**.63**
1715497	551-0407F♠	5	High efficiency Red	T1	0.119/3	0.28	0.145	0.1	2	10	650	45	**.55**	**.49**	**.43**
1715526	551-0507♠*	5	Red	T1	0.119/3	0.28	0.142	0.1	10	29	635	60	**.84**	**.77**	**.71**
1715569	551-0607F♠*	5	Green	T1	0.119/3	0.28	0.145	0.1	10	19	565	60	**.84**	**.75**	**.65**
1715606	551-1107♠	5	Red	T1	0.119/3	0.28	0.145	0.1	1.7	1.6	635	60	**.72**	**.67**	**.62**
1715681	551-1307F♠	5	High efficiency Yellow	T1	0.119/3	0.28	0.145	0.1	2.1	6.3	585	45	**.72**	**.64**	**.56**
1715753	551-3007♠	5	Red/Green (bi-color)	T1	0.119/3	0.28	0.145	0.1	2.0/2.1	4.7/10	635/565	50	**1.32**	**1.22**	**1.12**
1715770	551-3009♠	5	Red/Green (bi-color)	T1	0.119/3	0.25	0.145	0.1	2.0/2.1	2.5/3.7	635/565	50	**1.22**	**1.14**	**1.05**
1715809	551-3508♠	6	Red/Green (bi-color)	T1	0.119/3	0.28	0.100	0.1	2/2.1	4/4	630/560	80	**1.49**	**1.39**	**1.28**
1715972	553-0111F♠	7	Red/Red	T1	0.119/3	0.38	0.145	0.1	2.0/2.0	10/10	650	45	**1.22**	**1.08**	**.95**
1716035	553-0122F♠	7	High efficiency Green	T1	0.119/3	0.38	0.145	0.1	2	16	563	45	**1.22**	**1.19**	**.95**
1716078	553-0132F♠	7	Yellow/Green	T1	0.119/3	0.28	0.145	0.1	2.1/2.1	6.3/16	585/563	—	**1.22**	**1.09**	**.95**
1716094	553-0133F♠	7	Yellow/Yellow	T1	0.119/3	0.38	0.145	0.1	2.1	6.3	585	45	**1.22**	**1.09**	**.95**
1716115	553-0212F♠	7	Red/Green	T1	0.119/3	0.38	0.145	0.1	2/2.1	3.6/5.6	650/563	—	**1.79**	**1.53**	**1.22**
1716334	553-0711♠	7	Red/Green	T1	0.119/3	0.38	0.145	0.1	2.0/2.1	4.7/10	635/565	50	**1.99**	**1.85**	**1.75**
1717142	564-0100-222F♠	8	Green	T1	0.119/3	0.60	0.145	0.1	2.1	12.6	—	—	**2.15**	**1.85**	**1.66**
1717441	568-0102-222F♠	9	Green	T1	0.119/3	0.80	0.145	0.1	2.1	4.7	565	60	**2.65**	**2.28**	**2.05**
1717492	568-0701-111F♠	9	Red/Green	T1	0.119/3	0.80	0.145	0.1	2.0/2.1	2.5/3.7	635/565	45	**3.89**	**3.37**	**3.03**
1717855	591-3001-002F♠	10	Red/Green (SMT)	T1	0.119/3	0.198	—	—	2	6.5/8.0	628/570	40/40	**2.19**	**1.97**	**1.79**
1718090	597-3001-202F♠	11	Red (SMT)	SMT	SMT	0.138	—	—	2	10	630	120	**.69**	**.61**	**.55**
1715112	550-2407F♠	12	High efficiency Red	T1 ¾	0.197/5	0.24	0.145	0.1	2.2	2.2	650	—	**.60**	**.49**	**.46**
1715121	550-3007F♠	12	Red/Green (bi-color)	T1 ¾	0.197/5	0.24	0.145	0.1	1.8/2.1	90/40	660/565	60	**1.17**	**1.05**	**.91**
1715286	550-5207F♠	12	Green diffused	T1 ¾	0.197/5	0.24	0.145	0.1	2.2	34	563	50	**.51**	**.404**	**.36**
1717290	566-0206F♠	13	Green	—	2mm x 5mm	0.28	0.110	0.1	2.2	4	565	110	**.98**	**.84**	**.76**

* With integral resistor, 5V

Dialight MicroLED Optopipe, Optical Light Pipe, Bi-Level

- Mounted in arrays spaced at 0.200" apart
- UL94V-0 compliance
- ESD protection • Wide viewing angle
- Allows bi-level SMT indicators
- Secures to PCB by press fit



Part No.	Product No.	Description	1	10	100
1714195	515-1061F ♠	Bi-level optical light pipe	**$.52**	**$.484**	**$.442**

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♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

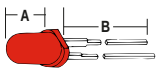


Fig. 1

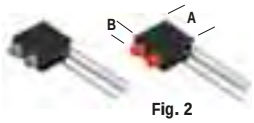


Fig. 2

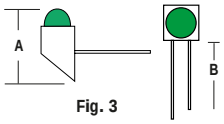


Fig. 3

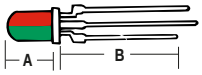
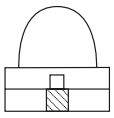


Fig. 4


Fig. 5


Fig. 6


Fig. 7

LITEON LEDs

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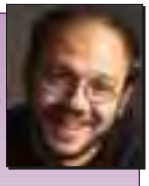
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Minimum order 10 pieces

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	WaveLength nm	Viewing Angle	Pricing 10	Pricing 100
697670	LTL-4251 ♻	1	Yellow	Diffused	T1	0.119/3	0.18	1.0	0.1	2.1	8.7	585	40	$.105	$.093
697688	LTL-4251N ♻	1	Yellow	Yellow diffused	T1	0.119/3	0.18	1.0	0.1	2.1	5.6	585	60	.105	.093
790145	LTL-1CHY ♻	1	Yellow	Yellow diffused	T1	0.122/3.1	0.205	1.0	0.1	2.1	8.7	588	60	.10	.085
790129	LTL-1CHE ♻	1	Hi-eff Red	Red diffused	T1	0.119/3	0.205	1.0	0.1	2.0	12.6	623	60	.072	.065
697565	LTL-4211N ♻	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	.089	.079
697590	LTL-4221N ♻	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	.051	.05
790250	LTL-4222N ♻	1	Hi-eff Red	Red transparent	T1	0.118/3	0.175	1.0	0.1	2.0	29	635	45	.105	.094
697581	LTL-4221 ♻	1	Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	40	.089	.079
697629	LTL-4231 ♻	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	.072	.065
697637	LTL-4231N ♻	1	Green	Green diffused	T1	0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	.105	.093
790111	LTL-16KG ♻	1	Green	Green diffused	T1	0.119/3	0.205	1.0	0.1	2.1	12.6	565	—	.042	.041
790137	LTL-1CHG ♻	1	Green	Green diffused	T1	0.119/3	0.205	1.0	0.1	2.1	12.6	569	60	.072	.065
697645	LTL-4232N ♻	1	Green	Transparent	T1	0.119/3	0.18	1.0	0.1	2.1	40	565	45	.105	.093
697549	LTL-307Y ♻	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	29	585	50	.072	.065
697696	LTL-4253 ♻	1	Yellow	Diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	19	585	36	.105	.093
790102	LTL-10253W ♻	1	Yellow	Yellow diffused	T1 ¾	0.187/4.75	0.283	1.0	0.1	2.1	12.6	588	60	.071	.057
697522	LTL-307E ♻	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.0	19	635	50	.072	.065
790081	LTL-10223W ♻	1	Hi-eff Red	Red diffused	T1 ¾	0.187/4.75	0.283	1.0	0.1	2.0	60	623	60	.07	.056
697602	LTL-4223 ♻	1	Red	Diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.0	19	635	36	.105	.093
697611	LTL-4224 ♻	1	Red	Transparent	T1 ¾	0.197/5	0.34	0.9	0.1	2.0	90	635	16	.105	.093
697514	LTL-293SJW ♻	1	Red/Green	White diffused, bi-color	T1 ¾	0.195/5	0.34	0.9	0.1	1.8/2.1	90/40	638/569	60	.299	.24
697557	LTL-30EFJ	4	Red/Green	Bi-color diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	5.6/19	697/565	30	.288	.259
697573	LTL-4213 ♻	1	Red	Diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	3.7	697	36	.072	.065
697531	LTL-307G ♻	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	19	565	50	.072	.065
697653	LTL-4233 ♻	1	Green	Diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	19	565	36	.105	.093
697661	LTL-4234 ♻	1	Green	Transparent	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	60	565	16	.067	.058
790321	LTL-4238 ♻	1	Green	Water clear	T1 ¾	0.197/5	0.34	1.0	0.1	2.1	90	565	16	.087	.078
790090	LTL-10233W ♻	1	Green	Green diffused	T1 ¾	0.187/4.75	0.28	1.0	0.1	2.1	40	569	60	.071	.057
697717	LTL-523-11 ♻♠	3	Hi-eff Red	Red diffused (PCB mnt indicator)	T1 ¾	0.189/4.8	0.13	0.35	0.1	2.0	60	635	60	.173	.157
697813	LTST-C190YKT ♻	5	Yellow	Clear	SMD 0603	—	0.03	0.06	—	2.1	6	585	130	.074	.067
697805	LTST-C190GKT ♻	5	Green	Water clear	SMD 0603	—	0.03	0.06	—	2.1	6	565	130	.074	.067
697784	LTST-C170KRKT ♻	6	Red	Water clear	SMD 0805	—	0.05	0.08	—	2.0	54	639	130	.125	.105
697768	LTST-C170GKT ♻	6	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.1	6	569	130	.092	.082
697776	LTST-C170KGKT ♻	6	Green	Water clear	SMD 0805	—	0.05	0.08	—	2.0	35	574	130	.128	.118
697733	LTST-C150CKT ♻	5	Red	Clear	SMD 1206	—	0.06	0.13	—	1.8	25	660	130	.112	.088
697750	LTST-C150KRKT ♻	5	Red	Water clear	SMD 1206	—	0.06	0.13	—	2.0	54	639	130	.122	.101
697741	LTST-C150GKT ♻	5	Green	Water clear	SMD 1206	—	0.06	0.13	—	2.1	6	565	130	.102	.081
697821	LTST-C930KGKT ♻	7	Green	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	600	574	25	.157	.138
697830	LTST-C930KRKT ♻	7	Red	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	—	2.0	850	639	130	.153	.128

Mounting Hardware listed on pages 50-51

Why Test It?



With the huge MTBF of LEDs, you might wonder why we offer an LED tester in the first place.

Why, you ask? After talking to a few friends, I found some like to clip their leads before inserting the LEDs into a board. And when you have mid 30's or 40's eyesight and you've been staring at the computer screen too often, you can't always depend on feeling the detent to determine polarity. Consider the tester to the right if you need assistance too!

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Color Code Legend: New Sale Lower$ QtySave

Standard-Output & HLMP LEDs

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Color Code Legend: New | Sale | Lower$ | QtySave

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Standard-Output LEDs

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See page 43 for figures
✳ Minimum order 10 pieces

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
34657	LY2040 *	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	✳	$.13	$.11	$.075
206480	LVY2041	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	✳	.14	.12	.10
136282	LA44B/2I	2	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.65	.52	.45	.337
333171	HLMP-K155-JV	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	✳	.079	.078	.057
333851	UT6371-41-M1	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	✳	.118	.077	.074
206498	LHR2041	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	✳	.15	.12	.09
94529	LH2040 *	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	.21	.19	.15	.12
114673	LH2043 *	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	.21	.19	.152	.114
94553	LHG2062	1	Red/Green	White diffused bi-color/bi-state[1]	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.30	.244	.195	.156
34606	LSG2040 *	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	✳	.15	.11	.08
333201	LG12340	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	✳	.096	.076	.072
136274	LA44B/2G	2	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.64	.544	.457	.357
175679	LVG2041	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	✳	.078	.064	.052
114681	LVG2043 *	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	✳	.078	.064	.039
137411	LVB2040	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	1.59	1.48	1.40	1.15
334457	LSBI2640	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	40	1.00	.83	.80	.75
333383	UT63B1-41-M1A2	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.75	.72	.68	.66
34825	LY3330 *	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	.21	.19	.15	.12
104264	LA93B/Y-1	3	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.38	.312	.249	.162
334108	UT1831-81-S	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	✳	.118	.077	.074
333622	LHY3330/HO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	.34	.298	.268	.242
334377	UT1841R-81 ⊕✪	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	✳	.098	.064	.061
34711	LEG3362 *	1	Red/Green	White diffused bi-color/bi-state[1]	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.33	.28	.22	.19
333973	UT1871-81-M1	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	✳	.098	.064	.061
94511	LH3330	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	.20	.17	.13	.10
104248	LA93B/H-1 *	3	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.26	.23	.19	.17
34745	LH3333	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	.20	.15	.11	.065
334182	LGH3362	4	Red/Green	White diff. bi-color/solid state[1]	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.28	.267	.176	.125
34673	LHG3392 *	4	Red/Green	White diff. bi-color/tri-state[1]	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.29	.264	.24	.168
34761	LG3330 *	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	.20	.15	.14	.10
334086	LG13740	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.077	.074	.073
104256	LA93B/G-1 *	3	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	.26	.23	.19	.17
138691	LVB3330	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	1.75	1.58	1.26	1.05
137613	LSBI3333	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	2.05	1.99	1.93	1.68
34690	LFH3360 *	1	Red	Red diff. blinking (XC5410) †	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
138683	LHR3630	1	Red	Red diffused XJumbo (XC10R)	T3 1/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.54	.486	.384	.288
98984	LVG3630	1	Green	Green diffused XJumbo (XC10G)	T3 1/4	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.36	.343	.251	.172

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
693901	MCDL-5013GD	1	Green	Red diffused	T1 3/4	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	✳	$.096	$.072	$.06
658312	MSL-154DR	5	Red	Water clear	SMD1206	—	0.06	0.13	—	1.8	25	660	130	✳	.12	.10	.09
658321	MSL-204DR	6	Red	Water clear	PLCC-2	—	0.11	0.13	—	1.8	50	657	120	.49	.45	.41	.37
692537	MSL-204G	6	Green	Water clear	PLCC-2	—	0.11	0.13	—	2.1	15	570	120	.49	.45	.35	.29
658355	MSL-204MB	6	Blue	Water clear	PLCC-2	—	0.11	0.13	—	3.5	120	468	120	1.09	.99	.89	.69
658347	MSL-204MW	6	White	Water clear	PLCC-2	—	0.08	0.13	—	3.5	400	—	120	1.09	.99	.89	.69

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 51 [1] Reverse polarity to change color † Volt. shown is operating volt. range; no current limiting resistor required. ✪ Blue Part No. = Limited Quantity Available

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HLMP Series LEDs



✳ Minimum order 10 pieces

Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
253278	HLMP-1301	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	60	✳	$.12	$.115	$.103
253681	HLMP-1790	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	.26	.174	.14	.105
253753	HLMP-3301	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	60	.20	.18	.125	.112
253833	HLMP-4740	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	.20	.18	.144	.108

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LEDTECH LEDs

• Typical DC forward current 20mA

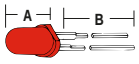


Fig. 1

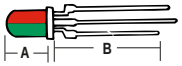


Fig. 2


152805

S Minimum order 10 pieces

Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
156954	LT0373-41	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	46	$.24	$.22	$.17	$.14
156946	LT0362-25-D61	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	50	.29	.25	.19	.15
152751	LT0344R-41	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	36	.21	.19	.16	.12
152785	LT0341R-41	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	56	.20	.17	.15	.12
156930	LT0321-41-HE	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	56	.21	.18	.11	.10
242844	LT1811-81	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	44	S	.12	.10	.06
1586189	UT1813-83-UJEI	1	Red	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.1 @ 20	5500 @ 20	632	25	.39	.35	.29	.19
152805	LT1873-81-UR ⊕	1	Red Ultra Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	12	.21	.187	.161	.12
152856	LT1841R-81 ⊕	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	44	S	.117	.094	.071
156962	LT1823-81-HE	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	19	.20	.17	.15	.12
1586197	UT4123-4D-UBC	1	Green	Water clear	T1 3/4	0.197/5	0.32	1.00	0.10	3.0 @ 10	2500 @ 10	500	28	.69	.65	.57	.47
152822	LT1821-81-HE	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	41	.20	.16	.12	.09
152831	LT1831-81-UR	1	Ylw Ultra Bright	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	41	.26	.24	.20	.14

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Medium-Output LEDs

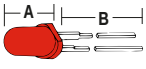


Fig. 1


Fig. 2

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
334749	UT63B3-41-UR33	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	$1.32	$1.27	$.97	$.69
334764	CMD204UWC-JV	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	2.35	2.29	1.71	1.54
206501	LVY3331	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	.26	.219	.175	.14
206519	LHR3331	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	.21	.189	.151	.113
152864	BVU-501RD4	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	.29	.24	.19	.15
333551	LVG13233	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.20	.186	.15	.138
334465	LDBK3331/H0	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
334756	UT5KW3-AA-UAE3-TO1 ⊕	2	White	Water clear	SMD1206	—	0.08	0.14	—	3.2	550	—	120	2.55	2.37	2.15	1.61

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High-Output LEDs

• Typical DC forward current 20mA

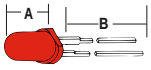


Fig. 1


Fig. 2


Fig. 3

See pages 50-51 for LED Mounting Hardware

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
217525	MCDPW-3004C	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	$2.99	$2.85	$2.69	$2.55
333614	LUY3833H	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.31	.261	.239	.215
334423	UT9C13-86-UDC2	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.23	.21	.173	.12
333518	LUR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.21	.19	.153	.115
333526	LUR3833	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	.22	.17	.123	.113
131895	TLSH180P	1	Orange	Water clear	T1 3/4	0.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683	BVT-5E1QT4ER ⊕	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473	LDGL3333/H0	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.95	1.54	1.20	1.10
183214	MCDPG-503PC1	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222	MCDL-513SBC4	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502	LWK3333	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.99	1.82	1.45	1.15
334773	UT18W3-86-UAF1-P22	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.05	1.84	1.66	1.49
183231	BVU-5C14WK4-B ⊕	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	2.05	1.87	1.68	1.51
142894	BVU-5E1WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	2.89	2.66	2.23	2.11
320531	MCDL-5013UWC	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.69	1.31	.96	.87
197641	BVT-529TT8E ⊕	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	3600	592	70	.76	.68	.61	.54
404582	MCDL-1860UWC-15C	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	2.03	1.82	1.35
664341	MCDL-1870UWC-15C	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.75	2.44	2.19	1.62
664405	MCDL-1860UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.26	1.13	.85
664413	MCDL-1870UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.26	1.13	.85
664384	MCDL-1860UYC-TL	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	590	75	1.39	1.26	1.13	.85
664392	MCDL-1870UYC-TL	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	1.39	1.26	1.13	.85
404603	MCDL-1860UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	2.15	1.94	1.74	1.25
664376	MCDL-1870UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.94	1.74	1.25
664368	MCDL-1870UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	40	2.15	1.94	1.74	1.25
404591	MCDL-1860UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.94	1.74	1.25

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Color Code Legend: New Sale Lower$ QtySave

Avago LEDs

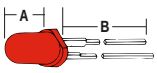


Fig. 1


Fig. 2


Fig. 3


Fig. 4

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Fig. 5


Fig. 6


Fig. 7

✳ Minimum order 10 pieces

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelngth nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100
1553871	HLMP-1401-D00A1	1	Yellow	Yellow diffused	T1	0.119/3	0.19	0.95	0.10	2.0	3.6	583	60	$.72	$.415	$.303
1553820	HLMP-1301-E0002	1	Hi-eff Red	Red diffused	T1	0.119/3	0.19	0.95	0.10	1.9	3.4	635	60	.34	.208	.139
1553838	HLMP-1301-E00A1	1	Hi-eff Red	Red diffused	T1	0.119/3	0.19	0.95	0.10	1.9	3.4	635	60	.82	.483	.319
1554013	HLMP-1601	1	Hi-eff Red	Red tinted/diffused	T1	0.119/3	0.19	0.95	0.10	5.0	2.1	635	60	.71	.412	.287
1553993	HLMP-1600 ♠	1	Red	Tinted diffused	T1	0.119/3	0.19	0.95	0.10	5.0	2.1	635	60	.71	.416	.29
1584950	HLMP-NG07	1	Red	Red tinted	T1	0.119/3	0.23	1.00	0.10	1.9	90.2	635	60	.23	.205	.195
1554099	HLMP-1700-B0002	1	Red	Red tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.7	0.8	635	50	✳	.248	.233
1554110	HLMP-1700-B00A2	1	Red	Red tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.7	0.8	635	50	.89	.52	.38
1555665	HLMP-NL06	1	Amber	Water clear	T1	0.119/3	0.34	1.00	0.10	2.0	96.2	592	60	✳	.182	.169
1553926	HLMP-1503-C00A1	1	Green	Green diffused	T1	0.119/3	0.19	0.95	0.10	2.1	2.6	565	60	.55	.50	.45
1553934	HLMP-1503-C00A2	1	Green	Green diffused	T1	0.119/3	0.19	0.95	0.10	2.1	2.6	565	60	.55	.50	.45
1554056	HLMP-1640	1	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	5.0	1.6	565	60	.71	.412	.287
1554081	HLMP-1641	1	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	12.0	1.6	565	60	.71	.412	.287
1554144	HLMP-1790-A0002	1	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.9	2.3	565	50	.37	.339	.305
1554603	HLMP-3401-E00B2	2	Yellow	Yellow diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.0	5.7	583	60	.72	.42	.305
1554611	HLMP-3416	1	Yellow	Yellow non-diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.0	50.0	583	35	.35	.202	.131
1554793	HLMP-3862	1	Yellow	Yellow tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.0	9.2	583	60	.59	.341	.236
1554494	HLMP-3301-D0000	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	2.1	635	60	.39	.229	.155
1554507	HLMP-3301-D0002	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	2.1	635	60	.34	.178	.138
1554523	HLMP-3301-F0002	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	5.4	635	60	.34	.178	.138
1554574	HLMP-3351	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.25	1.05	0.10	1.9	5.4	635	50	.59	.307	.236
1554697	HLMP-3600	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	5.0	2.1	635	60	.71	.349	.287
1554777	HLMP-3762	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	8.6	635	60	.59	.341	.236
1584757	HLMP-3301-F0001	1	Hi-eff Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	5.4	635	60	✳	.158	.119
1554831	HLMP-4000 ♠	2	Grn/Hi-eff Red	Diffused, bi-color	T1 3/4	0.197/5	0.36	1.05	0.10	2.2/1.9	4.2/2.1	568/635	65	.68	.392	.287
1584773	HLMP-4000$010	2	Grn/Hi-eff Red	Diffused, bi-color	T1 3/4	0.197/5	0.36	1.05	0.10	2.2/1.9	4.2/2.1	568/635	65	.71	.63	.544
1554566	HLMP-3316	1	Red	Red tinted	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	60.0	635	35	.35	.202	.131
1554865	HLMP-4700-C00B2	1	Red	Red tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.7	2.3	626	50	.90	.53	.382
1584845	HLMP-C008-U0000	1	Red	Red clear/non-diffused	T1 3/4	0.197/5	0.36	1.02	0.10	1.9	6000.0	626	8	.39	.229	.155
1584765	HLMP-3366	1	Red	Red tinted/non-diffused	T1 3/4	0.197/5	0.25	1.05	0.10	1.9	13.8	635	45	.59	.345	.238
1555403	HLMP-D105	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.8	240.0	637	24	.44	.253	.166
1555471	HLMP-EG15-RU000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.9	1500.0	635	15	.59	.345	.238
1555489	HLMP-EG24-PS000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.9	880.0	635	23	.50	.297	.198
1584896	HLMP-ED16-TW000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	2.0	2500.0	639	15	.75	.44	.31
1584909	HLMP-ED31-RU000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	2.0	1500.0	639	30	.78	.466	.325
1584917	HLMP-EG08-Y2000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	1.9	9300.0	635	6	.68	.398	.274
1555585	HLMP-EL08-VY000	1	Amber	Amber untinted/non-diff.	T1 3/4	0.197/5	0.64	1.00	0.10	2.0	4200.0	592	6	.59	.341	.236
1584925	HLMP-EL25-RU000	1	Amber	Amber untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	2.1	1500.0	592	23	.70	.65	.61
1584933	HLMP-EL25-TW000	1	Amber	Amber untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	2.0	2500.0	592	23	.56	.482	.408
1584941	HLMP-EL30-PR400	1	Amber	Amber untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	2.0	880.0	592	30	.51	.46	.41
1555278	HLMP-C515	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.2	170.0	568	20	.59	.341	.236
1555340	HLMP-CM15-S0000	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	1900.0	524	15	1.04	.83	.62
1555358	HLMP-CM15-W0000	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	5500.0	524	15	1.34	1.03	.78
1555366	HLMP-CM30-M0000	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	520.0	524	30	1.04	.83	.62
1555374	HLMP-CM30-S0000	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	1900.0	524	30	1.34	1.03	.78
1554662	HLMP-3519	1	Green	Green non-diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.7	70.0	565	24	.29	.153	.12
1554654	HLMP-3507-D00B2	1	Green	Green tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.1	4.2	565	60	.90	.518	.379
1554671	HLMP-3554	1	Green	Green tinted/diffused	T1 3/4	0.197/5	0.25	1.05	0.10	2.1	6.7	565	50	.59	.341	.236
1554822	HLMP-3962	1	Green	Green tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	2.1	10.6	565	60	.59	.282	.235
1554881	HLMP-4740-A00B2	1	Green	Green tinted/diffused	T1 3/4	0.197/5	0.36	1.05	0.10	1.9	2.3	569	50	.89	.53	.382
1555315	HLMP-CB15-P0000	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	880.0	470	15	1.04	.83	.62
1555331	HLMP-CB30-M0000	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	520.0	470	30	1.04	.83	.62
1584853	HLMP-CB11-UVBDD	1	Blue	Blue untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	3.2	3.2	470	15	1.11	.98	.85
1584861	HLMP-CB15-R0000	1	Blue	Blue untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	3.8	1500.0	472	15	1.01	.83	.62
1584870	HLMP-CW30-SV000	1	White	Untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	3.6	1900.0	—	30	1.11	.86	.66
1555761	HLMP-S201	3	Hi-eff Red	Red tinted/diffused (rect.)	—	2 x 5mm	0.32	1.00	0.10	1.9	3.4	635	110	.35	.202	.131
1555788	HLMP-S301	3	Yellow	Ylw tinted/diffused (rect.)	—	2 x 5mm	0.32	1.00	0.10	2.1	2.2	583	110	.35	.202	.131
1555796	HLMP-S501	3	Green	Grn tinted/diffused (rect.)	—	2 x 5mm	0.32	1.00	0.10	2.2	4.2	565	110	.35	.202	.131
1553766	HLMP-0301	3	Red	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	1.9	2.1	635	100	.89	.468	.373
1553774	HLMP-0401	3	Yellow	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	2.1	3.6	585	100	.89	.469	.373

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AVAGO TECHNOLOGIES LEDs (Continued)

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See pg 46 for figures ✳ Minimum order 10 pieces

Part No.	Product No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelngth nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 50
1553782	HLMP-0504♻	3	Green	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	2.2	2.6	565	100	$.89	$.473	$.373
1553791	HLMP-0504-B0000♻	3	Green	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	2.2	1.6	565	100	.69	.56	.518
1556369	HSMG-C150♻	4	Green	Green untinted/diffused	SMD0603	3.2 x 1.6mm†	0.03	0.06	0.07	2.2	15.0	570	170	.24	.139	.089
1556431	HSMH-C190♻	4	Red	Red untinted/diffused	SMD0603	1.6 x 0.8mm†	0.03	0.06	0.10	1.8	17.0	660	170	.26	.147	.095
1557046	HSMS-C190♻	4	Hi-eff Red	Red untinted/diffused	SMD0603	1.6 x 0.8mm†	0.03	0.06	0.05	2.1	10.0	630	170	.26	.147	.095
1556377	HSMG-C170♻	4	Green	Green untinted/diffused	SMD0805	3.2 x 1.6mm†	0.05	0.08	0.05	2.2	15.0	570	170	.26	.147	.095
1556422	HSMH-C170♻	4	Red	Red untinted/diffused	SMD0805	2 x 1.25mm†	0.05	0.08	0.06	1.8	17.0	660	170	.21	.147	.095
1556385	HSMG-C190♻	4	Green	Green untinted/diffused	SMD1203	1.6 x 0.8mm†	0.01	0.03	0.06	2.2	15.0	570	170	.26	.147	.095
1556414	HSMH-C150♻	4	Red	Red untinted/diffused	SMD1206	3.2 x 1.6mm†	0.06	0.12	0.10	1.8	17.0	660	170	.24	.139	.089
1557020	HSMS-C150♻	4	Hi-eff Red	Red untinted/diffused	SMD1206	3.2 x 1.6mm†	0.06	0.01	0.10	2.1	10.0	630	170	.24	.139	.089
1557071	HSMY-C150♻	4	Yellow	Yellow untinted/diffused	SMD1206	3.2 x 1.6mm†	0.06	0.01	0.10	2.1	8.0	589	170	.24	.139	.089
1556406	HSMG-C660♻	4	Green	Green untinted/diffused	SMD1208	3 x 2mm‡	0.01	0.08	0.11	2.2	9.0	570	155	.45	.267	.178
1557054	HSMS-C660♻	4	Hi-eff Red	Red untinted/non-diffused	SMD1208	3 x 2mm‡	0.01	0.08	0.11	1.8	16.0	650	155	.31	.267	.178
1556300	HSMF-C155♻	4	Hi-eff Red/Grn	Diffused, bi-color	SMD1210	3.2 x 2.7mm†	0.11	0.13	0.10	2.1/2.2	10/15	630/570	170	.38	.222	.146
1554902	HLMP-6000♻	5	Red	Red tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	1.6	3.2	655	90	.59	.345	.238
1554945	HLMP-6300♻	5	Hi-eff Red	Red tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	1.8	10.0	635	90	.50	.297	.198
1554996	HLMP-6400♻	5	Yellow	Yellow tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.0	9.0	583	90	.50	.297	.198
1555041	HLMP-6500♻	5	Green	Green tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.1	7.0	565	90	.50	.297	.198
1555059	HLMP-6500-F0010♻	5	Green	Green tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.1	7.0	565	90	.71	.416	.29
1555083	HLMP-6505♻	5	Green	Green tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.1	40.0	565	28	.50	.297	.198
1555104	HLMP-6505-L0021♻	5	Green	Green tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.1	40.0	565	28	.25	.233	.203
1555219	HLMP-7000♻	5	Hi-eff Red	Red tint/diffused	0.07mm	Dome sub	0.12	0.46	Axial	1.8	1.0	635	90	.59	.341	.236
1555817	HLMT-PH00-P0011♻	6	Orange	Orange untinted/non-diffused	0.07mm	FT sub	0.10	0.46	Axial	1.9	120.0	621	125	.81	.485	.344
1584781	HLMP-6720♻	5	Yellow	Yellow diffused	0.07mm	Dome sub	0.12	0.46	Axial	2.0	2.0	583	90	.66	.57	.479
1584790	HLMP-6820♻	5	Green	Green diffused	0.07mm	Dome sub	0.12	0.46	0.06	2.1	1.6	565	90	.88	.51	.37
1584802	HLMP-7019♻	5	Yellow	Yellow tint/diffused	0.07mm	Dome sub	0.12	0.46	0.06	2.0	0.6	583	90	.59	.341	.235
1555711	HLMP-P505-G0011♻	6	Green	Green untinted/non-diffused	0.07mm	FT sub	0.10	0.46	0.06	2.1	1.6	565	125	.26	.243	.219
1584968	HLMP-Q106-R0011♻	5	Red	Untinted/non-diffused	0.07mm	Dome sub	0.46	0.12	0.06	1.9	400.0	654	15	.56	.482	.408
1584976	HLMP-Q156-H0021♻	5	Red	Untinted/non-diffused	0.07mm	Dome sub	0.46	0.12	0.06	1.6	7.0	654	15	.56	.482	.408
1585055	HSMA-A100-Q00J1♻	7	Red	Water clear SMT	PLCC-2	—	0.11	0.13	0.06	1.9	100.0	635	120	✳	.12	.089
1585101	HSMC-A100-R00J1♻	7	Red	Water clear SMT	PLCC-2	—	0.11	0.13	0.06	1.9	140.0	635	120	✳	.142	.12
1556211	HSMC-A100-Q00J1♻	7	Red	Water clear SMT	PLCC-2	—	0.11	0.13	—	1.9	100.0	635	120	✳	.142	.132
1556342	HSMG-A100-J02J1♻	7	Yellow	Water clear SMT	PLCC-2	—	0.10	0.46	—	2.2	18.0	565	120	✳	.105	.099

† SMT ‡ SMT, right angle # See pg 46 for figures

OSRAM LEDs

NEW

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See pg 46 for figures

Part No.	Product No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelngth nm	Viewing Angle	Pricing	Pricing	Pricing
1621917	LG-T670-K1L2-1-2 ♠	7	Green	Water clear SMT	PLCC-2	—	0.12	0.12	—	2.0	18	570	120	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

AVAGO TECHNOLOGIES 7-Segment LED Displays

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The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations



Single Digit RHDP



Single Digit RHDP/LHDP



2-Digit RHDP

Part No.	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	Pricing 10	Pricing 100
1551605	HDSP-7403♻	0.30	Yellow	CC	10	2.2 @ 20	0.48 @ 5	583	RHDP	$2.95	$2.58	$2.46
1551710	HDSP-A101♻	0.30	Red	CA	10	1.8 @ 20	0.6 @ 1	645	RHDP	3.09	2.62	2.28
1551728	HDSP-A103♻	0.30	Red	CC	10	1.8 @ 20	0.6 @ 1	645	RHDP	3.09	2.59	2.28
1584394	HDSP-A113♻	0.30	Red	CC	10	2.0 @ 20	0.60 @ 1	600	RHDP	2.89	2.36	2.22
1548019	5082-7610♻	0.30	Hi-eff. Red	CA	11	2.1 @ 5	0.8 @ 5	645	LHDP	2.89	2.39	2.11
1551613	HDSP-7501♻	0.30	Hi-eff. Red	CA	10	2.0 @ 20	0.98 @ 5	635	RHDP	2.59	2.16	1.90
1551621	HDSP-7501-CD000♻	0.30	Hi-eff. Red	CA	10	2.0 @ 20	0.98 @ 5	635	RHDP	3.05	2.82	2.65
1551664	HDSP-7511♻	0.30	Hi-eff. Red	CA	10	2.1 @ 20	0.27 @ 2	635	RHDP	3.15	2.89	2.71
1548043	5082-7613♻	0.30	Hi-eff. Red	CC	10	2.1 @ 5	0.8 @ 5	645	RHDP	3.05	2.80	2.63
1551648	HDSP-7503♻	0.30	Hi-eff. Red	CC	10	2.0 @ 20	0.98 @ 5	635	RHDP	2.75	2.53	2.37
1584360	HDSP-7504♻	0.30	Hi-eff. Red	CC	10	2.0 @ 20	0.98 @ 5	635	RHDP	3.05	2.24	2.05
1584378	HDSP-7513♻	0.30	Hi-eff. Red	CC	10	2.1 @ 20	0.27 @ 2	635	RHDP	3.59	2.50	2.12

*CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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7-Segment LED Displays (Continued)

See pg 47 for photos

Part No.	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
1551699	HDSP-7803	0.30	Green	CC	10	2.1 @ 10	3 @ 10	566	RHDP	$2.75	$2.53	$2.37
1584407	HDSP-A903	0.30	Green	CC	10	2.1 @ 20	0.47 @ 4	566	RHDP	3.09	2.77	2.12
1551824	HDSP-F151	0.40	Red	CA	10	1.8 @ 20	15 @ 20	645	RHDP	3.29	3.03	2.84
1551816	HDSP-F113	0.40	Red	CC	10	1.8 @ 20	0.65 @ 1	645	RHDP	3.29	3.03	2.84
1584415	HDSP-F201-DE000	0.40	Hi-eff. Red	CA	10	2.0 @ 20	1.2 @ 5	635	RHDP	3.05	2.70	2.08
1551859	HDSP-F203	0.40	Hi-eff. Red	CC	10	2.0 @ 20	1.2 @ 5	635	RHDP	2.75	2.53	2.37
1584423	HDSP-F401	0.40	Orange	CA	10	2.0 @ 20	1.2 @ 5	600	RHDP	2.69	1.99	1.82
1551883	HDSP-F501	0.40	Green	CA	10	2.1 @ 10	3.5 @ 10	566	RHDP	2.75	2.53	2.37
1584431	HDSP-F501-JK000	0.40	Green	CA	10	2.1 @ 10	3.5 @ 10	566	RHDP	3.05	2.75	2.46
1584440	HDSP-F503-JK000	0.40	Green	CC	10	2.1 @ 10	3.5 @ 10	566	RHDP	3.05	2.22	2.07
1548060	5082-7650	0.43	Hi-eff. Red	CA	10	2.1 @ 20	1.1 @ 5	635	LHDP	3.05	2.80	2.63
1548078	5082-7651	0.43	Hi-eff. Red	CA	11	2.1 @ 20	1.1 @ 5	635	RHDP	3.05	2.80	2.63
1551331	HDSP-4601	0.43	Green	CA	11	2.1 @ 10	4 @ 10	566	RHDP	3.05	2.80	2.63
1551349	HDSP-4603	0.43	Green	CC	11	2.1 @ 10	4 @ 10	566	RHDP	3.05	2.80	2.63
1551939	HDSP-H101	0.56	Red	CA	10	1.8 @ 20	0.70 @ 1	645	RHDP	2.99	2.76	2.58
1551963	HDSP-H151	0.56	Red	CA	10	1.8 @ 20	16 @ 20	645	RHDP	3.09	2.87	2.69
1551971	HDSP-H153	0.56	Red	CC	10	1.8 @ 20	16 @ 20	645	RHDP	3.09	2.87	2.69
1584458	HDSP-H103-DE000	0.56	Red	CC	10	1.8 @ 20	0.70 @ 1	645	RHDP	2.89	2.39	2.22
1551445	HDSP-5501	0.56	Hi-eff. Red	CA	10	2.1 @ 10	2.8 @ 10	635	RHDP	2.49	2.30	2.15
1584335	HDSP-5501-GH000	0.56	Hi-eff. Red	CA	10	2.1 @ 20	2.8 @ 10	635	RHDP	3.39	2.28	1.86
1551488	HDSP-5221	0.56	Hi-eff. Red	2-digit CA	18	2.1 @ 20	2.8 @ 10	635	RHDP	3.69	3.44	3.23
1551509	HDSP-5523	0.56	Hi-eff. Red	2-digit CC	18	2.1 @ 20	2.8 @ 20	635	RHDP	3.69	3.44	3.23
1551525	HDSP-5601	0.56	Green	CA	10	2.1 @ 10	2.5 @ 10	566	RHDP	2.49	2.30	2.15
1584343	HDSP-5601-GH000	0.56	Green	CA	10	2.1 @ 10	2.5 @ 10	566	RHDP	2.79	2.04	1.90
1551568	HDSP-5621	0.56	Green	2-digit CA	18	2.1 @ 10	2.5 @ 10	566	RHDP	3.69	3.44	3.23
1551533	HDSP-5603	0.56	Green	CC	10	2.1 @ 10	2.5 @ 10	566	RHDP	2.49	2.30	2.15
1584351	HDSP-5623	0.56	Green	2-digit CC	18	2.1 @ 10	2.5 @ 10	566	RHDP	4.15	2.90	2.53
1551322	HDSP-3903	0.80	Hi-eff. Red	CC	13	2.6 @ 100	4.8 @ 20	635	RHDP	4.29	3.99	3.75
1584386	HDSP-8603	0.80	Green	CC	13	2.1 @ 10	1.5 @ 10	566	RHDP/LHDP	4.79	3.36	2.93

*CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

7-Segment LED Displays

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

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Single Digit RHDP


Single Digit RHDP/LHDP


2-Digit RHDP



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3-Digit RHDP


4-Digit RHDP


4x7 Hex Character


Dot Matrix


10-Bargraph

Part No.	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
790516	LTS-312AG	0.30"	Green	CA	11	2.1 @ 20	2.0 @ 10	569	RHDP/LHDP	$.76	$.75	$.72	$.68
697485	LTD-6910HR	0.56"	Red	2-digit CA	18	2.0 @ 150	3.9 @ 10	635	RHDP	.99	.91	.81	.78
790031	LTD-6940HR	0.56"	Hi-eff. Red	2-digit CC	18	2.0 @ 20	2.4 @ 10	623	RHDP	1.07	1.05	1.01	.98

*CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

Alphanumeric LED Displays

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Part No.	Product No.	Manufacturer	Character Height	Color Display	Bus Polarity	Pins/ Leads	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
1548844	HCMS-2903	Avago	0.15	Green	5 x 7 alphanumeric	12	114	568	$25.59	$23.88	$22.38
1551120	HDLG-2416	Avago	0.20	Green	Alphanumeric	18	5.6	568	21.35	19.91	18.67
1551189	HDSP-0762	Avago	0.29	Hi-eff. Red	Hex and numeric	8	0.14	635	45.85	42.75	40.08
1555876	HPDL-1414	Avago	0.11	Red	4-char. alphanumeric	12	1	655	23.19	21.63	20.28
1584301	HDSP-2111	Avago	0.20	Yellow	8-char. alphanumeric	28	7.5	583	34.05	31.85	29.64
1551251	HDSP-2531	Avago	0.20	Yellow	8-char. alphanumeric	30	7.5	583	40.09	37.41	35.07
1551269	HDSP-2532	Avago	0.20	Hi-eff. Red	8-char. alphanumeric	30	7.5	635	40.09	37.41	35.07
1584327	HDSP-2503	Avago	0.27	Green	8-char. alphanumeric	28	7.5	568	41.95	34.54	32.06
1623488	SLG2016♠	Osram	0.18	Green	5 x 7 alphanumeric	14	0.075	565	22.15	22.15	22.15
1623496	SLR2016♠	Osram	0.18	Red	5 x 7 alphanumeric	14	0.050	660	16.39	15.94	15.50

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

7-Segment LED Displays

Soldering: • Soldering bath: not more than 5 seconds @ 260°C • Soldering iron: not more than 3 seconds @ 300°C under 30W

See pg 48 for photos

Part No.	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
334984	UA3051-12 ♻	0.30"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	$.78	$.69	$.61	$.478
334800	UC3051-11 ♻	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.82	.80	.64	.50
335054	UN4043-13 EWRS ⊕	0.40"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.25	1.96	1.88	1.37
334933	UC5652-11 ♻	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.19	1.14	.87	.83
334960	UA5652-11 ♻	0.56"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.45	1.39	1.03	.99
335090	UA5651-11 ♻	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	1.04	.92	.74
334896	UC5641R-11 ♻	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.95	.94	.65	.506
334942	UC5642R-11 ♻	0.56"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.50	1.20	1.02	.82
334976	UA5642R-11 ♻	0.56"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.07	1.06	.80	.76
335101	UA5641R-11 ♻	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.90	.82	.61	.476
334880	UC5641-11 ♻	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.83	.76	.525	.506
335177	UA5624-11 EWRS ⊕	0.56"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.75	2.47	2.25	1.69
	LEDTECH		Other Manufacturers — Great Deals										
24731	LSD3021-11 ♻ ✪	0.30"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	$.87	$.70	$.50	$.47
24740	LSD3221-11 ♻ ✪	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.95	.87	.77	.70
24782	LSD3211-11 ♻ ✪	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	1.07	.90	.78	.59
17187	LSD5051-11 ♻	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.64	.481
17208	LSD5061-11 ♻ ✪	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.45	1.23	1.11	.85
104213	LSD5124-10 ♻	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.48	.43	.387	.348
24715	LDD5121-20 ♻	0.56"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.50	1.26	1.07	.90
24723	LDD5111-11 ♻	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24707	LDD5114-20 ♻	0.56"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
308224	LM5643R-11RRRN	0.56"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.85	1.66	1.43	1.10
18737	LSD816-11 ♻	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.18	1.15	1.10	.99
308259	LA8071-11-MIEWRW	0.80"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.75	1.60	1.38	1.06
18753	LSD8151-10 ♻	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.10	.94	.80	.68
97199	LSD23265-10 ♻	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	6.95	6.23	5.63	5.03
97201	LSD23255-10 ♻	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85	2.70
202542	LSD30155-20 ♻	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	6.05	5.45	4.90	4.46
105591	LSD40054-20 ♻ ‡	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49	6.49
202500	LSD40064-20 ♻	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	7.79
202526	LSD50065-20 ♻ ✪	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	32.51	28.43	23.42	17.56
202534	LSD50055-20 ♻ ✪	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	24.95	19.94	17.99	13.49

*CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment ✪ Blue Part No. = Limited Quantity Available

For more ValuePro LED Displays visit www.Jameco.com

Bargraph & Dot Matrix LED Displays

See pg 48 for photos

Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100	1000
334511	UL10000-E-EWAK ⊕	—	Green	Bargraph	20	2.1 @ 20	1.4 @ 10	567	$1.28	$1.04	$.85	$.68
334529	UL10000-HR-RRAK ⊕	—	Red	Bargraph	20	2.1 @ 20	1.6 @ 10	635	1.31	1.05	.86	.69
334537	UL10000-Y-EWAK ⊕	—	Yellow	Bargraph	20	2.1 @ 20	1.1 @ 10	585	1.22	.97	.76	.73
			Other Manufacturers — Great Deals									
32951	TIL311‡	0.300"	Red	4 x 7 Hex char	11	5.0 @ 5	0.1 @ 5	660	$20.35	$17.22	$14.64	$13.74
218843	CSM57041T-11	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	1.95	1.76	1.40	1.05
206560	LTP2157AG	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	1.85	1.65	1.49	1.34
183265	LMD5821ASR-20 ♻	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	4.95	4.49	3.95	2.96

*CC-Common Cathode/CR-Cathode Row/AR-Anode Row ‡ Compatible Jameco socket: P/N 37162, pg 112

For more LiteOn LED Displays visit www.Jameco.com

Bargraph & Lightbar LED Displays

Part No.	Product No.	Illuminated Color	Bus Polarity	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100	1000
697469	LTA-1000G ♻	Green	Bargraph	20	2.1 @ 20	2.0 @ 10	565	$1.23	$1.04	$.83	$.61
697477	LTA-1000HR ♻	Hi-eff red	Bargraph	20	2.0 @ 20	2.0 @ 10	635	1.23	1.04	.83	.61
697493	LTL-2685HR ♻	Red	Lightbar	16	2.0 @ 20	8.0 @ 10	—	1.59	1.35	1.22	.80
697506	LTL-2885G ♻	Green	Lightbar	16	2.1 @ 20	16.0 @ 10	—	1.59	1.35	1.21	.95

Voice Activated LEDs Kit

Uses sound to activate the flashing of 4 bright red LEDs.

• Power consumption: 0.5mA min./12mA max. • 33-pieces

Requires: 8-15VDC power supply (P/N 100095, pg 168) or 9VDC battery (P/N 151095, pg 175)



Part No.	Product No.	Dimensions	1	10
147571	MK103	2.5"L x 1.6"W x 1.4"H	$9.95	$8.95

Flashing LED Kit

Activates 2 flashing LEDs for applications such as model building.

• 5.5" wire w/ 9V battery connector

• Consumption: 4mA min. • 23-pieces

Requires: 9VDC battery (P/N 151095, pg 175)



Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147580	MK102	1.3"L x 1.4"W x 0.6"H	0.1	$7.95	$7.19

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Bargraph & Lightbar LED Displays

For more Avago LED Displays visit www.Jameco.com

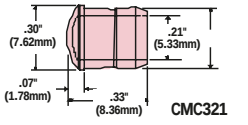
Part No.	Product No.	Illuminated Color	Bus Polarity	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
1551373	HDSP-4830	Hi-eff. Red	Bargraph	20	1.6 @ 20	1.25 @ 20	655	$4.95	$4.59	$4.30
1551402	HDSP-4832	Hi-eff. Red, Yellow, Green	Bargraph	20	2.1 @ 20, 2.2 @ 20, 2.1 @ 10	3.5 @ 10, 1.9 @ 10, 1.9 @ 10	635, 583, 566	6.45	5.99	5.62
1551429	HDSP-4850	Green	Bargraph	20	2.1 @ 10	1.9 @ 10	566	5.89	5.46	5.12
1553686	HLCP-J100	Red	Bargraph	20	1.8 @ 20	1.0 @ 1	645	5.89	5.46	5.12
1554179	HLMP-2300	Hi-eff. Red	Lightbar	4	2.0 @ 20	23 @ 20	635	1.23	1.15	1.08
1554195	HLMP-2350	Hi-eff. Red	Lightbar	8	2.0 @ 20	45 @ 20	635	2.09	1.95	1.83
1554208	HLMP-2350-EF000	Lightbar	Lightbar	8	2.0 @ 20	45 @ 20	635	2.29	2.14	2.00
1554216	HLMP-2400	Yellow	Lightbar	4	2.1 @ 20	20 @ 200	583	1.23	1.15	1.08
1554232	HLMP-2450	Yellow	Lightbar	8	2.1 @ 20	38 @ 20	583	2.09	1.95	1.83
1554259	HLMP-2500 ♠	Green	Lightbar	4	2.2 @ 20	25 @ 20	565	.97	.92	.87
1554267	HLMP-2500-FG000	Green	Lightbar	4	2.2 @ 20	25 @ 20	565	1.35	1.26	1.18
1554275	HLMP-2550	Green	Lightbar	8	2.2 @ 20	50 @ 20	565	2.09	1.95	1.83
1554291	HLMP-2620	Hi-eff. Red	Lightbar	16	2.0 @ 20	23 @ 20	635	3.09	2.87	2.69
1554312	HLMP-2635	Hi-eff. Red	Lightbar	8	2.0 @ 20	45 @ 20	635	3.09	2.87	2.69
1554321	HLMP-2655	Hi-eff. Red	Lightbar	16	2.0 @ 20	45 @ 20	635	1.85	1.72	1.61
1554347	HLMP-2685	Hi-eff. Red	Lightbar	16	2.0 @ 20	80 @ 20	635	3.09	2.87	2.69
1554380	HLMP-2755 ♠	Yellow	Lightbar	8	2.1 @ 20	38 @ 20	583	2.19	1.45	1.30
1554398	HLMP-2785	Yellow	Lightbar	16	2.1 @ 20	70 @ 20	583	3.09	2.87	2.69
1554419	HLMP-2800	Green	Lightbar	8	2.2 @ 20	25 @ 20	565	1.85	1.72	1.61
1554427	HLMP-2820	Green	Lightbar	16	2.2 @ 20	25 @ 20	565	3.09	2.87	2.69
1554443	HLMP-2855-FG000	Green	Lightbar	8	2.2 @ 20	50 @ 20	565	2.05	1.91	1.79
1584749	HLMP-2685-EF000	Hi-eff. Red	Lightbar	16	2.0 @ 20	80 @ 20	635	3.79	2.48	2.31

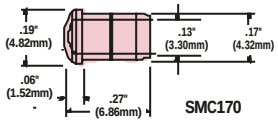
T1 & T1¾ Cliplite® Panel Lens for PCB Mounted LEDs

T1 and T1-3/4 size low-profile panel lenses provide 180° viewing angle. Type SMC170 for T1 LEDs. Hole size: 0.171" on 0.250" centers. CMC321 for T1-3/4 LEDs. Hole size: 0.283" on 0.375" centers. Use retaining ring RNG165 for SMC170 and RNG268 for CMC321/CMS 322. RNG268: 0.36" Dia., 0.08" L.

- RNG165: 0.24" Dia., 0.50"L
- RNG132: 0.24" Dia., 0.08"L
- CMC285: 0.21" Dia., 0.285"L
- SMC130: 0.14" Dia., 0.24"L

Quantity SAVE





Part No.	Type	Size	Color	1	10	100	1000
143183	SMC170CTP	T1	Clear	$.26	$.226	$.20	$.14
143132	CMC321CTP	T1 ¾	Clear	.29	.261	.209	.157

Design Engineer's LED Hardware Assortment

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping. 139 piece hardware kit for T1 and T1 3/4 LEDs. Clear plastic case with dividers.



Part No.	Description	Price
418731	Engineer's hardware kit	$25.09

LED Mounting Hardware

- Color: black
- **Prepackaged: please order in increments of 10**

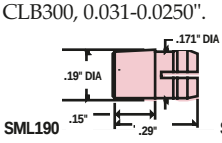


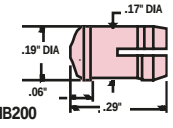
Part No.	Cross Ref. No.	Description	Mounting Hole Dia.	Panel Thickness	Pricing 10	100	1000
95513	LMH100	T1 snap-in	.185"	Up to .070"	$.08	$.07	$.04
23077	LMH200	T1¾ ring & clip	.257"	Up to .125"	.15	.14	.12

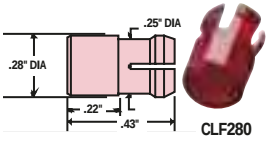
T1 & T1¾ Cliplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red, green, amber, yellow and clear. Hole size for T1, 0.171", on 0.250" centers. Panel thickness T1: SML190, 0.031-0.062"; SMB200, 0.062-0.125". Hole size for T1 & T1-3/4, 0.250" on 0.375" centers. Panel thickness, CLF280, 0.062-0.125". CLB300, 0.031-0.0250".







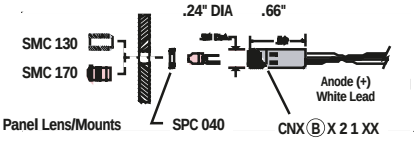


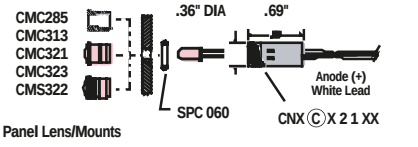
Part No.	Type	Size	Color	1	10	100	1000
417818	SML190RTP	T1	Red	$.26	$.226	$.166	$.14
417906	SMB200CTP	T1	Clear	.26	.226	.167	.14
29612	CLF280RTP	T1 ¾	Red	.28	.252	.202	.152
14277	CLF280CTP	T1 ¾	Clear	.28	.257	.216	.157
124927	CLB300CTP	T1 ¾	Clear	.29	.257	.228	.175

Conxrite Pre-Wired Solderless LED Interconnects

For more VCC visit www.Jameco.com

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB. 3mm type CNXBE and CNXBX connector assemblies use SMC170 lens or SMC130 mount; 5mm type CNXCE and CNXCX assemblies use a CMC321 lens or CMC285 mount. Thin panels (0.032") use ring spacer type SPC040 for 3mm and type SPC060 for 5mm assemblies. CNXBE and CNXCE cables are supplied with panel and header connector. The BX and CX cables are supplied with panel connector and bare wire leads.





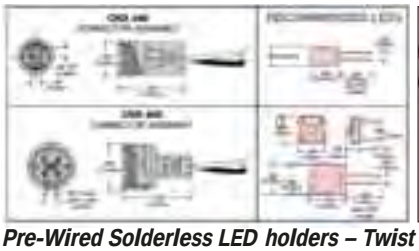
Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
143088	CNXBE2108	1	T1 (3mm) Bi-lead	2 position connector	8"	$1.50	$1.36	$1.26	$1.19
417439	CNXBX2118	1	T1 (3mm) Bi-lead	Stripped leads	18"	1.75	1.58	1.26	.95
143037	CNXCE2108	2	T1 ¾ (5mm) Bi-lead	2 position connector	8"	1.29	1.25	1.19	1.15
417463	CNXCE2112	2	T1 ¾ (5mm) Bi-lead	2 position connector	12"	2.19	1.86	1.81	1.75
417501	CNXCX2112	2	T1 ¾ (5mm) Bi-lead	Stripped leads	12"	1.55	1.30	1.03	.77

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Cable Assemblies for 5mm & 10mm LED Lights

- Enhances LED apparent brightness as well as the viewing angle to 180˚
- Tested for temperature cycling, UV, solar shock and vibration
- Sealed version exceeds NEMA 4 for dust, water and ice
- Plug and play approach simplifies cable installation





Pre-Wired Solderless LED holders – Twist Fit

5mm Bi-Lead LED 24 AWG 2-Wire/Stripped End

Part No.	Product No.	Length (in.)	1	10	100	500
673811	CNX440-X02-4-1-04 ♻ ✪	4	$2.25	$2.11	$2.00	$1.90
673820	CNX440-X02-4-1-08 ♻	8	1.85	1.81	1.78	1.73
673838	CNX440-X02-4-1-12 ♻	12	1.95	1.91	1.88	1.83

✪ Blue Part No. = Limited Quantity Available

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and labels
- 10 ea. standard-output LEDs (34657, 114673, 114681, 34606, 34825, 34711, 104248, 34690, 11359, 34761, 104256, 34673), pg 44
- 10 ea. LED lens mount (14277), pg 50
- 100 ea. LEDs (94529, 135597), pg 44
- 100 ea. LED mounting hardware (95513, 23077), pg 50

SAVE $22



Part No.	Description	Wt. (lbs.)	1	10
84996	560 piece kit	5.0	$69.95	$63.25

IrDA Compliant Transceiver

NEW

- IrDA compliant 115.2kb/s 3V to 5V transceiver
- DC LED current: 165mA max.
- Top view
- 10-pin
- Link distance: 1.5m
- VCC: 2.7V to 5.25V
- 12.2mmL x 4.16mmW x 4.65mmH



Part No.	Product No.	Description	1	10	100
1556086	HSDL-3612-008 ♻	Transceiver	$3.25	$3.12	$2.97

Infrared Emitters

NEW



For more Avago Infrared Emitters visit www.Jameco.com

Part No.	Product No.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100
1556094	HSDL-4220 ♻	Infrared AlGaAs	T1 ¾	0.197/5	0.3	1.23	1.28	0.05	1.5 @ 50mA	875	19	$.58	$.534	$.49
1556107	HSDL-4230 ♻	Infrared AlGaAs	T1 ¾	0.197/5	0.3	1.28	1.28	0.05	1.5 @ 50mA	875	16	.58	.518	.503

Infrared Light Emitters & Reflective Sensors

Fig. 1

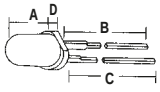


Fig. 2



For more LiteOn & Fairchild Infrared Light Emitters and Reflective Sensors visit www.Jameco.com

✳ Minimum order 10 pieces

Part No.	Product No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100	1000
1623349	SFH484-2 ♠	1	Infrared emitter diode	T1 ¾	0.197/5	0.3	0.5	1.14	1.07	1.5V @ 100mA	880	25	$.50	$.471	$.451	$.338
790057	LTE-302 ♻	2	Infrared emitter diode, side look	4.4mm x 5.7mm	—	—	—	—	—	1.2V @ 20mA	940	75	.23	.194	.157	.123
787675	QEE113 ♻	2	Infrared emitter diode, side look	4.4mm x 5.1mm	0.651/1.7	—	—	—	—	1.5V @ 50mA	940	100	✳	.176	.16	.153
787712	QSE113 ♻	2	Infrared phototransistor	4.4mm x 5.7mm	0.651/1.7	—	—	—	—	—	880	100	✳	.338	.304	.274
874939	QRD114 ♻	—	Reflective object sensor	6.1mm x 4.7mm	—	—	—	—	—	1.7V @ 50mA	940	100	.93	.73	.62	.59

Infrared Emitters & Reflective Sensors

NEW

Fig. 1



Fig. 2

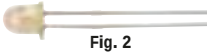


Fig. 3

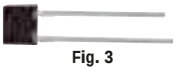


Fig. 4



For more Optek Infrared Emitters and Reflective Sensors visit www.Jameco.com

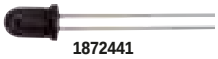
Part No.	Product No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100
1872118	OP265A ♻ ♠	1	Infrared emitter diode	T1	.120/3.1	0.25	0.68	—	0.04	1.8 @ 20mA	890	100	$1.29	$1.13	$.96
1871991	OP165A ♻ ♠	1	Infrared emitter diode	T1	.120/3.1	0.23	—	0.68	0.04	1.6 @ 20mA	935	100	.93	.84	.76
1872151	OP290A ♻ ♠	1	Infrared emitter diode	T1 ¾	.195/5.0	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	1.05	.88	.71
1872249	OP298B ♻ ♠	2	Infrared emitter diode	TO-46	.183/4.7	0.20	—	0.75	0.03	2.0 @ 1.5A	890	142	1.05	.84	.62
1872126	OP268FA ♻ ♠	3	Infrared emitter diode, side look	1.5mm x 4.1mm	—	0.13	0.50	—	—	1.5 @ 20mA	890	100	1.35	1.22	1.09
1872038	OP168FB ♻ ♠	3	Infrared emitter diode, end look	1.5mm x 4.1mm	—	0.13	0.50	—	—	1.4 @ 20mA	935	100	2.45	2.21	1.96
1871975	OP140A ♻ ♠	3	Infrared emitter diode, side look	1.7mm x 4.6mm	—	0.23	0.50	—	—	1.6 @ 20mA	935	100	.98	.81	.64
1872812	OPB750N ♻ ♠	4	Reflective object sensor	13.7mm x 10.9mm	—	—	—	—	—	1.8 @ 40mA	—	100	5.65	4.86	4.06
1872628	OPB606A ♻ ♠	4	Reflective object sensor	4.4mm x 6.1mm	—	—	—	0.18	—	1.7 @ 20mA	935	75	1.45	1.30	1.18
1872767	OPB710F ♻ ♠	—	Reflective object sensor	TO-72 header	5.46/.22	—	—	0.50	—	1.5 @ 50mA	935	150	8.89	7.65	6.41

Phototransistors & Photodiodes

NEW



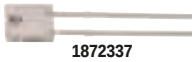
1872265



1872441



1872311



1872337

For more Optek Phototransistors and Photodiodes visit www.Jameco.com

Part No.	Product No.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	mWatts	Pricing 1	10	100
1872265	OP505A ♻ ♠	Infrared selected NPN silicon phototransistor	T1	.125/3.2	0.20	0.50	—	0.03	VBRCEO 30 @ 100µA	100	$.63	$.58	$.54
1872441	OP999 ♻ ♠	PIN silicon photodiode	T1 ¾	.205/5.3	0.31	—	0.75	0.04	1.2VF @ 1mA	100	.83	.79	.74
1872311	OP509B ♻ ♠	Sensor phototransistor, end look	1.6mm x 4.2mm	—	—	0.15	0.50	—	VBRCEO 30 @ 100µA	100	1.35	1.20	1.05
1872337	OP550A ♻ ♠	NPN silicon phototransistor, side look	1.7mm x 4.6mm	—	—	0.23	0.50	—	VBRCEO 30 @ 100µA	100	.75	.69	.62

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Infrared LEDs, Lamps & Panel Mount Indicators

Color Code Legend: New | Sale | Lower$ | QtySave

For more ValuePro Infrared & Visible Light Emitters & Detectors visit www.Jameco.com

Infrared & Visible Light Emitters & Detectors

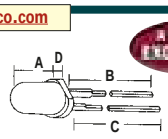


Fig. 1

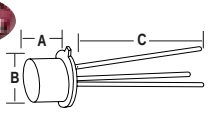


Fig. 2

- Use for remote control and/or for fiber optics

P/N 133947: Used with infrared lighted cameras, see www.Jameco.com (peak emission wavelength: 940nm @ 20mA)

Part No.	Cross Ref. No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100	1000
372737	UT1883-81-880 †	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	**$.32**	**$.22**	**$.176**	**$.158**
Other Manufacturers — Great Deals																
112150	LIR2043	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	**$.22**	**$.18**	**$.14**	**$.12**
133947	SLI-0308CP	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	**.62**	**.53**	**.40**	**.31**
112176	LPT2023	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	**.39**	**.29**	**.19**	**.15**
106526	LVIR3333	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	**.39**	**.29**	**.19**	**.15**
112169	LT1893-82-0125	1	Infrared phototransistor	T1 ¾	0.200/5	0.31	1.05	1.10	0.04	—	940	—	**.36**	**.30**	**.24**	**.20**
120221	BPW77NA	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	**1.99**	**1.89**	**1.55**	**1.21**

† Lens color = water clear

LED Replacement Lamps

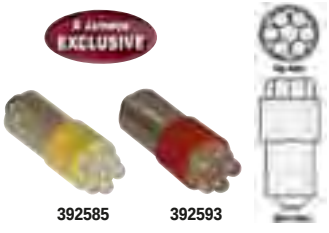
For more ValuePro LED Replacement Lamps visit www.Jameco.com

- Low current draw – 90% less energy than incandescent
- No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

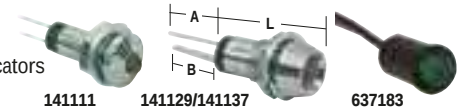
- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392585	585-5523	Yellow	14	20	7000	588	**$11.15**	**$9.94**	**$9.44**
392593	585-5225	Red	28	15	6500	630	**9.45**	**8.03**	**6.02**
392622	585-5525	Yellow	28	15	6000	588	**12.95**	**11.24**	**9.52**
392632	585-5256	Red	120VAC	5.5	6500	625	**9.89**	**9.64**	**8.31**
392649	585-5356	Green	120VAC	5.5	7000	525	**6.25**	**5.60**	**5.45**



392585 392593

LED Panel-Mount Indicators



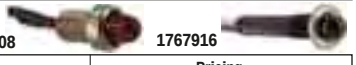
141111 141129/141137 637183

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing

Part No.	Cross Ref. No.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100	1000
141111	L922SRD	T1	Red	.56	.34	.25	.23"	2V @ 20mA	**$.76**	**$.68**	**$.58**	**$.434**
141129	L913RD	T1	Red	.56	.39	.32	.24"	2V @ 20mA	**1.19**	**.85**	**.75**	**.65**
141137	L917RD	T1¾	Red	.70	.55	.47	.31"	2V @ 20mA	**.99**	**.89**	**.79**	**.65**
637183	UT2U1G-H113-R801-W05	T1¾	Green	.55	5.5	5.5	.24"	12V @ 30mA	**1.29**	**1.05**	**.87**	**.76**

CML LED Panel-Mount Indicators


1767908 1767916

Part No.	Product No.	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100	1000
1766796	5100H1	Red	.53	6.0	6.0	.25	2V @ 35mA	**$.99**	**$.80**	**$.74**	**$.70**
1766809	5100H1/5♠	Red/green	.77	6.0	6.0	.25	2.2V @ 10mA	**1.59**	**1.30**	**1.21**	**1.19**
1766850	5102H5-5V*	Green	.53	6.0	6.0	.25	5V @ 12mA	**1.35**	**1.17**	**1.11**	**1.09**
1766876	5110F5 ♠	Green	.41	6.0	6.0	.158	2.2V @ 20mA	**1.19**	**1.01**	**.95**	**.93**
1767561	5400A5♠	Green	.68	4.4	4.8	.317	2V @ 35mA	**1.65**	**1.42**	**1.34**	**1.31**
1767908	6039-004-304R♠	Red	.55	6.0	6.0	.193	1.6V @ 35mA	**5.25**	**4.53**	**4.35**	**4.29**
1767895	6039-004-304G♠	Green	.55	6.0	6.0	.193	2.2V @ 35mA	**5.09**	**4.38**	**4.15**	**4.11**
1767916	6091M5-12V♠	Green	1.6	4.4	4.8	.380	12V	**5.49**	**4.80**	**4.56**	**4.49**

* With built-in resistor

Dialight LED Panel-Mount Indicators



Part No.	Product No.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100
1716810	558-0501-007F	T1¾	Green	.47	.275	.27	.158"	2.1V @ 10mA	**$2.79**	**$2.18**	**$1.82**

12V Incandescent Panel Mount Lamps

- **215715/215723/215732**: solder terminals - 0.196" (5mm)

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215774	R9-46B-W100-12V-R	1	Red	1/2" (13mm)	3.9" (100mm)	**$2.15**	**$1.94**	**$1.44**
215782	R9-46B-W100-12V-Y	1	Yellow	1/2" (13mm)	3.9" (100mm)	**1.69**	**1.47**	**1.20**
215791	R9-46B-W100-12V-G	1	Green	1/2" (13mm)	3.9" (100mm)	**2.09**	**1.87**	**1.39**
215749	R9-55B-W130-12V-R	2	Red	9/32" (7mm)	4.9" (125mm)	**2.15**	**1.91**	**1.62**
215758	R9-55B-W130-12V-Y	2	Yellow	9/32" (7mm)	4.9" (125mm)	**1.65**	**1.45**	**1.19**
215766	R9-55B-W130-12V-G	2	Green	9/32" (7mm)	4.9" (125mm)	**1.95**	**1.75**	**1.48**
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	—	**1.99**	**1.77**	**1.32**
215723	R9-71B-05-12V-Y	3	Yellow	5/8" (16mm)	—	**1.65**	**1.45**	**1.19**
215732	R9-71B-05-12V-G	3	Green	5/8" (16mm)	—	**1.85**	**1.65**	**1.24**


Fig. 1


Fig. 2


Fig. 3

CML Neon Panel Mount Lamp



- 4.4"/4.8" wire leads
- Color: Red
- 150VAC - 125VAC
- .310" Dia. mounting hole

Part No.	Product No.	1	10	100
1765849	2150A1♠	**$2.05**	**$1.74**	**$1.56**

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)


215803

215803: Red

215811: Yellow

215830: Green


215830

1585485: Green, rectangular

- 6" wire leads
- Size: .91"L x .38"W x .77"D

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	1	10	100
215803	R9-71N-05-120V-R	**$2.09**	**$1.86**	**$1.58**
215811	R9-71N-05-120V-Y ✪	**1.79**	**1.59**	**1.35**
215830	R9-71N-05-120V-G	**1.79**	**1.59**	**1.35**
1585485	32501001714	**1.95**	**1.75**	**1.49**

Velleman Electroluminescence Wires



Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Product No.	Color	1	10	25
263484	NWRB15	Blue	**$21.95**	**$20.95**	**$19.95**

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Miniature Fluorescent Lamps

Add fluorescent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V – 800V output needed by lights.


239610

Part No.	Product No.	Description	1	10	25
239610	FLW1	White light	$9.95	$8.95	$7.95
239636	FLPS1	12VDC PS	9.95	8.95	7.95

12V Incandescent Panel Mount Lamp

Part No.	Product No.	Fig.	Color	Mounting Hole	1	10	100
1765515	1090QC1-12V ´	—	Red	.505"	$2.79	$2.41	$2.27

Incandescent Lamps

Part No.	Product No.	Description	Volt.	MSCP	1	10	100
1768118	6839´	T1 sub midget flange	28.0	13	$1.69	$1.39	$1.01


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6


Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11

Incandescent Lamps

Part No.	Cross Ref.	Fig.	Description	Volts	MSCP	1	5	10	100
209390	14⊕	1	G3 1/2 miniature screw	2.47	.50	$.46	$.414	$.331	$.248
209402	40	2	T3 1/4 miniature screw	6.3	.50	.21	.189	.151	.113
209411	44	3	T3 1/4 miniature bayonet	6.3	.90	.21	.19	.17	.125
209429	46⊕	2	T3 1/4 miniature screw	6.3	.90	.37	.333	.283	.226
209437	47⊕	3	T3 1/4 miniature bayonet	6.3	.50	.25	.22	.18	.13
209453	53⊕	4	G3 1/2 miniature bayonet	14.4	1.0	.59	.55	.50	.40
209488	86	5	T1 3/4 wedge	6.3	.40	.20	.187	.174	.145
209859	1818⊕	3	T3 1/4 miniature bayonet	24.0	3.3	.81	.78	.75	.56
141073	2182⊕	7	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34
141066	2200	7	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44
141057	6833⊕	8	T 3/4 wire terminal	5.0	.05	1.25	1.15	1.07	.80
209998	7219	6	T1 wire terminal	12.0	.15	.35	.29	.25	.19
210008	7328⊕	9	T1 3/4 bi-pin	6.0	.60	.89	.79	.69	.59
141006	7361⊕	9	T1 3/4 bi-pin	5.0	.05	.27	.24	.216	.194
210032	7382⊕	9	T1 3/4 bi-pin	14.0	.30	.75	.60	.53	.40
210092	120MB	10	T2 miniature bayonet	120.0	1200	.89	.82	.75	.62

Neon Lamps

Part No.	Cross Ref.	Fig.	Description	Voltage	1	5	10	100
27351	A1A (NE-2)	11	Wire terminal .6mA	65-120	$.42	$.35	$.31	$.26
210315	C2A (NE-2H)⊕	11	Wire terminal	65-120	.29	.234	.207	.185

Neon Lamps

Prepackaged: please order in increments of 5

Part No.	Product No.	Description	Voltage	5	50
1766067	2ML´	Wire terminal .3A	65VAC	$.57	$.51
1770744	C2A´	Wire terminal 1.9A	95VAC	.29	.261

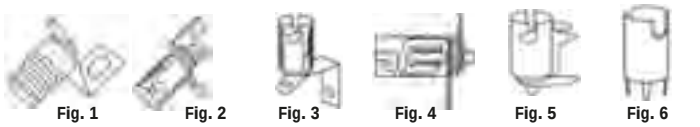

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6


Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11

Lamp Sockets and Lens

For more Xicon Sockets visit www.Jameco.com

Sockets

Part No.	Product No.	Fig.	Description	1	10	100
394257	35LH002	1	T3 1/4 screw-mini, non-insulated	$.65	$.50	$.47
394265	35LH003	2	T3 1/4 bayonet-mini, insulated	2.05	1.81	1.72
394273	35LH004	3	T3 1/4 bayonet-mini, non insulated	2.25	1.75	1.72
394281	35LH005	4	T3 1/4 bayonet-mini, insulated	2.25	1.77	1.72
394290	35LH006	5	T3 1/4 bayonet-mini, insulated	2.35	1.86	1.81
394302	35LH007	6	T3 1/4 bayonet-mini, insulated	1.99	1.60	1.51
394311	35LH008	7	T3 1/4 bayonet-mini, insulated	2.05	1.73	1.51
394329	35LH010	8	T3 1/4 screw-mini, insulated	.53	.42	.40
394337	35LH011	9	T3 1/4 bayonet-mini, insulated	1.99	1.58	1.51
394345	352-0100	10	T1 3/4 midget-screw, insulated	1.09	1.00	.89

Lens

- Use with socket, P/N 394345, above

Part No.	Product No.	Fig.	Description	1	10	100
394370	351-0103	11	Clear, plastic	$.37	$.254	$.238

LED Light Strip Modules

For more ValuePro LED Light Strip Modules visit www.Jameco.com

- Typical applications: running light or light source for under cabinets, closets, RV's, enclosures
- LED Sections: 6 • Lead length: 1.57"

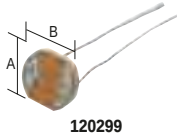
1586171: Lead length: 14"


683331 1586171

Part No.	Cross Ref.	Color	Input Volt. Typ. (V@mA)	Total Flux Typ. (lm)	Wave Length (nm)	Viewing Angle (Deg.)	Pricing 1	10	25
683323	LS1155-150A112	Yellow	12 @ 150	25	590	100	$12.95	$12.29	$11.49
683235	LS1255-150A112	Yellow	12 @ 150	25	590	100	12.95	12.29	11.49
683331	LS1155-525W404A	Red/blue/grn	4 @ 525	12.5	—	100	18.95	17.95	16.95
Other Manufacturers — Great Deals									
1586171	UY19209-627	White	12 @ 180	—	—	120	$27.95	$25.95	$22.49

CdS Photocells

- Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
- Generate variable signal based on detection of light levels
- Soldering: 230°C for 3 seconds
- Operating temperature: -30°C to +70°C
- Cadmium Sulfide (CdS)



120299


202438

Part No.	Cross Ref. No.	Rating Vp	Rating mW	Resistance (Ω) Dark	Resistance (Ω) Light	Size (inches) A	Size (inches) B	Lead Spacing (inches)	Lead Length (inches)	Pricing 1	10	100	1000
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	$1.69	$1.52	$1.22	$.99
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.34	1.21	.99
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	.78	.70	.64	.58
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.49	1.35	1.19	1.09
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.69	.65	.59	.55
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.96
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.29
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.69	1.52	1.22	.91

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

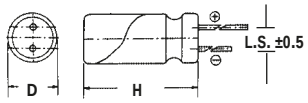
JAMECO ValuePro



EXCLUSIVE

Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

For more ValuePro Capacitors visit www.Jameco.com

85°C – General Purpose

Quantity SAVE

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
609043	UVR2A0R1MDD	0.1	100V	5.1 x 11.5 x 1.8	✳	$.103	$.07	$.048
330465	RA0.47/50	0.47	50V	5 x 11 x 2	✳	.045	.039	.03
330431	RA1/25	1	25V	5 x 11 x 1.5	✳	.045	.039	.03
94161	5R1/50	1	50V	5 x 11 x 1	✳	.12	.08	.05
29833	R1/50	1	50V	5 x 11 x 1	✳	.063	.053	.042
93731	R2.2/50	2.2	50V	5 x 11 x 1.5	✳	.038	.033	.026
31002	R4.7/50	4.7	50V	5 x 11 x 1	✳	.042	.037	.029
198838	R10J/16 ⊕	10	16V	5.1 x 12 x 1.7	✳	.054	.036	.03
94212	5R10/25	10	25V	4 x 5.8 x 1	✳	.13	.08	.05
94220	5R10/35 ⊕	10	35V	5.1 x 6 x 1.8	✳	.083	.057	.056
94370	7R10/35	10	35V	4.2 x 8.8 x 1.4	✳	.11	.06	.04
29893	R10/50	10	50V	5 x 11 x 2	✳	.067	.055	.045
330482	RA10/63	10	63V	5 x 11 x 2	✳	.056	.047	.038
330609	RA10/250	10	250V	10 x 17 x 4.8	.29	.192	.16	.126
198943	R22J/35	22	35V	5 x 11.5 x 1	✳	.059	.055	.049
93739	R22/50	22	50V	5 x 11 x 1.5	✳	.068	.058	.053
199057	R22J/100	22	100V	8 x 12 x 2.5	.19	.11	.073	.061
93747	R33/50	33	50V	6.5 x 11 x 2.4	✳	.066	.06	.054
198863	R47J/16	47	16V	5 x 11 x 1	✳	.083	.059	.043
198952	R47J/35	47	35V	5 x 11 x 2	✳	.108	.076	.051
31116	R47/50	47	50V	6.4 x 11 x 2.5	✳	.067	.056	.05
330562	RA47/160S	47	160V	10.2 x 20.3 x 4.1	.41	.372	.299	.216
330617	RA47/250	47	250V	13 x 24.5 x 5	.57	.508	.447	.388
330676	RA47/450	47	450V	18 x 31 x 7	1.75	1.21	.92	.70
207813	R100/10	100	10V	4 x 11 x 1.5	✳	.08	.06	.045
330422	RA100/16	100	16V	5 x 11 x 2	✳	.068	.066	.058
94289	5R100/16 ⊕	100	16V	6.6 x 5.8 x 2.2	✳	.15	.12	.09
94431	7R100/16 ⊕	100	16V	6.4 x 7.8 x 1.9	✳	.15	.12	.09
198970	R100J/35	100	35V	6 x 11 x 2.5	✳	.07	.06	.05
29964	R100/50	100	50V	8 x 11 x 2.5	✳	.078	.067	.056
330529	RA100/100	100	100V	10 x 17 x 4.5	.33	.282	.266	.19
330580	RA100/160S	100	160V	16 x 26 x 7.5	.68	.60	.465	.324
330625	RA100/250	100	250V	16 x 30 x 6	1.51	1.13	.85	.60
330684	RA100/450	100	450V	22 x 42.5 x 9.5	3.39	3.03	2.08	1.87
135124	7R220/10 ⊕	220	10V	6 x 7 x 2.5	✳	.136	.10	.074
198872	R220J/16	220	16V	6.5 x 11 x 2	.20	.11	.07	.06

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
30498	R220/25	220	25V	8 x 11 x 3	✳	$.096	$.072	$.06
93772	R220/35	220	35V	8.2 x 11.4 x 3.3	✳	.09	.08	.07
93780	R220/50	220	50V	10 x 15 x 4	.26	.201	.16	.12
609115	UVR2C221MHD	220	160V	16 x 30.8 x 6	1.32	1.02	.77	.55
608921	UVR1A331MED	330	10V	6.4 x 11.5 x 2	.25	.158	.108	.075
93798	R330/25	330	25V	8 x 11 x 4	.23	.144	.10	.089
198978	R330J/35	330	35V	10 x 12.3 x 4	.25	.18	.14	.10
330472	RA330/50 ⊕	330	50V	10.3 x 17.3 x 4.5	.32	.282	.226	.158
609001	UVR1J331MPD	330	63V	10.1 x 20.2 x 4.5	.50	.381	.29	.213
93811	R470/16	470	16V	8 x 11 x 3	.27	.132	.124	.118
31182	R470/25 ⊕	470	25V	8 x 14.5 x 3.4	.25	.225	.16	.11
93819	R470/35	470	35V	10 x 15 x 5.5	.20	.17	.15	.13
93827	R470/50	470	50V	10 x 20 x 4.6	.39	.372	.252	.173
158465	R470B63 ⊕	470	63V	13 x 21 x 6	.47	.44	.392	.291
609019	UVR1J471MHD	470	63V	13 x 21.5 x 4.7	.69	.514	.384	.284
199101	R470J/100 ⊕	470	100V	16 x 26 x 8	.92	.76	.59	.522
609140	UVR2C471MRD	470	160V	22 x 42.4 x 9.1	2.55	1.98	1.53	1.14
330456	RA680/25S ⊕	680	25V	8 x 16 x 2.5	.97	.87	.70	.525
330393	RA1000/10	1000	10V	8 x 14.4 x 3	.27	.23	.16	.11
30017	R1000/16	1000	16V	10 x 15 x 5	.23	.192	.168	.144
93835	R1000/25	1000	25V	10 x 20 x 5	.28	.25	.23	.18
286045	Q399L	1000	35V	12 x 20 x 5	.35	.31	.248	.186
93843	R1000/50	1000	50V	13 x 26 x 5	.58	.51	.455	.38
199111	R1000J/100	1000	100V	18 x 40 x 7	2.29	2.06	1.65	1.24
133146	R2200/16 ⊕ ✪	2200	16V	10 x 20 x 3.5	.44	.372	.321	.249
30535	R2200/25	2200	25V	30 x 20.9 x 5.2	.74	.66	.533	.40
198986	R2200J/35	2200	35V	16 x 26 x 7.4	1.39	1.25	.99	.74
608956	UVR1H222MHD	2200	50V	16.3 x 30.3 x 7	1.59	1.20	.90	.64
198897	R3300J/16 ⊕	3300	16V	13.1 x 20.8 x 4	.56	.457	.368	.357
30893	R3300/25	3300	25V	13 x 29 x 5	.95	.87	.66	.58
198994	R3300J/35	3300	35V	16 x 30 x 8	.87	.77	.67	.57
198901	R4700J/16	4700	16V	16 x 26 x 6.5	.81	.72	.58	.44
93851	R4700/25 ⊕	4700	25V	16 x 31 x 7.5	1.32	1.13	.90	.64
199005	R4700J/35 ⊕	4700	35V	18 x 36.5 x 6	1.41	1.28	.94	.71
163302	R4700/50 ⊕	4700	50V	22.2 x 41.7 x 9.7	2.25	2.03	1.62	1.21
198934	R6800J/25 ⊕	6800	25V	18 x 33 x 8	2.05	1.96	1.49	1.15
608948	UVR1C103MHD	10000	16V	18.1 x 33.5 x 6	1.59	1.23	.94	.67

Other Manufacturers — Great Deals

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
29831	R1/50	1	50V	5 x 11 x 2.0	✳	$.063	$.053	$.042
31000	R4.7/50	4.7	50V	5 x 11 x 2.0	✳	.046	.04	.032
29891	R10/50	10	50V	5 x 11 x 2.0	✳	.06	.05	.04
93737	R22/50	22	50V	5 x 11 x 2.0	✳	.032	.029	.026
31114	R47/50	47	50V	6 x 11 x 2.5	✳	.06	.048	.036
93761	R100/25	100	25V	6 x 11 x 2.5	✳	.084	.06	.042
29962	R100/50	100	50V	8 x 11 x 3.5	✳	.084	.072	.06
30496	R220/25	220	25V	8 x 11 x 3.5	✳	.096	.072	.06
93778	R220/50	220	50V	10 x 12 x 5.0	.24	.158	.113	.095
93809	R470/16	470	16V	8 x 11 x 3.5	✳	.099	.095	.071

* Capacitor dimensions and styles may vary.

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
31181	R470/25	470	25V	10 x 12 x 5.0	$.37	$.22	$.16	$.116
93817	R470/35	470	35V	10 x 16 x 5.0	.24	.189	.143	.118
93825	R470/50	470	50V	12 x 20 x 5.0	.35	.233	.193	.156
30015	R1000/16	1000	16V	10 x 16 x 5.0	.24	.192	.143	.107
93833	R1000/25	1000	25V	10 x 20 x 5.0	.41	.32	.29	.16
93841	R1000/50 ⊕	1000	50V	6.5 x 11.3 x 2.2	.63	.458	.345	.31
30533	R2200/25	2200	25V	12 x 25 x 5.0	.66	.50	.39	.35
30891	R3300/25	3300	25V	16 x 25 x 7.5	.86	.63	.468	.435
93850	R4700/25	4700	25V	16 x 31 x 7.5	1.19	1.07	.96	.80
163301	R4700/50	4700	50V	22 x 42 x 10.0	2.45	2.15	1.87	1.61

* Capacitor dimensions and styles may vary. ✪ Blue Part No. = Limited Quantity Available

We're Listening to Your Requests

Email us 24/7 at **NewProducts@Jameco.com** with suggestions for products you'd like to see in future catalogs.

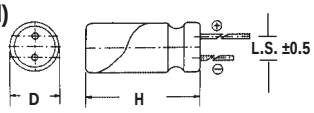
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%) (Continued)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

For more ValuePro Capacitors visit www.Jameco.com

105°C – HT Type General Purpose

Quantity SAVE

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
609545	UVZ1H0R1MDD	0.1	50V	5.1 x 11.8 x 1.4	$.22	$.133	$.092	$.059
330772	RB1/50	1	50V	5 x 11 x 1.5	✳	.068	.056	.042
158491	R1B100	1	100V	5 x 11 x 1.4	✳	.072	.06	.048
609959	UVZ2E010MED	1	250V	8.2 x 11.4 x 3.3	.24	.17	.116	.077
610028	UVZ2W010MPD	1	450V	8 x 11 x 3	.31	.225	.158	.108
609561	UVZ1H2R2MDD	2.2	50V	5 x 11.5 x 1.5	.21	.125	.085	.055
609887	UVZ2C4R7MED	4.7	160V	6.4 x 11.4 x 2.4	.30	.211	.149	.102
330852	RB4.7/250 ✪	4.7	250V	8 x 11 x 3.5	✳	.168	.147	.126
330692	RB10/16	10	16V	5 x 11 x 2	✳	.047	.041	.035
607849	UPW1H100MDD	10	50V	5 x 11 x 1.5	.20	.138	.10	.075
330799	RB10/50	10	50V	5 x 11 x 1.5	✳	.068	.056	.044
609641	UVZ1J100MDD	10	63V	5.1 x 12 x 1	.20	.133	.10	.067
158530	R10B100	10	100V	6.4 x 11 x 1.5	✳	.085	.075	.065
330844	RB10/160	10	160V	8 x 11 x 2.5	✳	.149	.127	.095
330861	RB10/250	10	250V	10 x 16.5 x 5	.22	.207	.181	.162
610036	UVZ2W100MHD	10	450V	13 x 21 x 5	.84	.65	.493	.349
158327	R22B35	22	35V	5.2 x 12.2 x 1.6	✳	.07	.05	.03
609650	UVZ1J220MDD	22	63V	5 x 11 x 1	.24	.17	.125	.077
609828	UVZ2C220MPD	22	160V	10.1 x 15.1 x 4.8	.45	.332	.241	.179
609975	UVZ2E220MHD	22	250V	13.2 x 21 x 4	.55	.407	.299	.216
609502	UVZ1C470MDD	47	16V	5.2 x 11.7 x 1.4	✳	.129	.109	.089
607970	UPW1H470MED	47	50V	6.5 x 11.3 x 2.4	.29	.215	.15	.117
607988	UPW1H471MHD	47	50V	13 x 20 x 5.5	.82	.63	.48	.37
330820	RB47/50	47	50V	6 x 11 x 2.5	✳	.10	.074	.051
608139	UPW1J470MPD	47	63V	8.1 x 11.5 x 3.1	.31	.23	.167	.125
609879	UVZ2C470MHD	47	160V	13 x 21.5 x 4	.63	.457	.332	.241
610010	UVZ2E470MHD	47	250V	13.2 x 24.8 x 4	.86	.65	.488	.348
330705	RB100/16	100	16V	5 x 11 x 1.5	✳	.068	.057	.042
606686	UHE1E101MED	100	25V	6.5 x 11.2 x 2.5	✳	.171	.125	.099
330740	RB100/25	100	25V	6.5 x 11 x 2	✳	.067	.057	.048
330748	RB100/35	100	35V	10 x 15 x 3.5	.20	.084	.08	.074
158394	R100B50	100	50V	8 x 11 x 3.5	✳	.108	.084	.066
606774	UHE1H101MPD	100	50V	8.2 x 11.1 x 3	.26	.211	.158	.119
608032	UPW1J101MPD6	100	63V	8.1 x 14.2 x 3.1	.44	.324	.241	.181
609748	UVZ2A101MPD	100	100V	10 x 20 x 5	.50	.373	.274	.204
609916	UVZ2D101MHD	100	200V	16.1 x 26.2 x 7.5	1.54	1.16	.87	.61
609967	UVZ2E101MHD	100	250V	16 x 31 x 7	1.55	1.21	.94	.70
311758	R220B10	220	10V	6.5 x 11.3 x 2	.45	.39	.36	.33
158263	R220B25	220	25V	8 x 11 x 3.5	✳	.144	.108	.084
606820	UHE1H221MPD	220	50V	10.1 x 15.2 x 4.5	.30	.275	.226	.187
158406	R220B50 ⊕	220	50V	10.2 x 17.3 x 4.1	.34	.306	.245	.184
609764	UVZ2A221MHD	220	100V	13 x 27 x 4	1.04	.78	.57	.41
606651	UHE1C331MPD	330	16V	8 x 11 x 3	.26	.203	.172	.136
609721	UVZ1V331MPD	330	35V	10.1 x 15.1 x 4	.35	.259	.183	.136
606846	UHE1H331MPD	330	50V	10.2 x 20.2 x 4.2	.46	.365	.282	.212
609385	UVZ0J471MED	470	6.3V	6.5 x 11.2 x 2.2	.31	.238	.168	.119

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
158203	R470B16 ⊕	470	16V	8.1 x 11.5 x 2.5	$.32	$.19	$.13	$.095
606678	UHE1C471MPD	470	16V	8.2 x 14.3 x 3.2	.26	.211	.169	.127
158289	R470B25 ⊕	470	25V	10.1 x 15.2 x 4	.21	.185	.165	.135
606740	UHE1E471MPD6	470	25V	10.1 x 15.1 x 3.7	.39	.316	.27	.213
330764	RB470/35	470	35V	10 x 15 x 5	.38	.322	.258	.194
607988	UPW1H471MHD	470	50V	12.5 x 20 x 5	.82	.63	.48	.37
606854	UHE1H471MPD	470	50V	13.2 x 20.8 x 5.1	.64	.59	.495	.376
608016	UPW1H561MHD	560	50V	13.1 x 24.7 x 4.7	1.04	.77	.58	.453
606504	UHE0J681MPD	680	6.3V	8.1 x 11.4 x 3.5	.25	.203	.162	.122
606871	UHE1H681MHD	680	50V	13.2 x 28.8 x 5	.74	.59	.457	.343
607179	UHE2A681MHD	680	100V	18.2 x 33.2 x 6.7	1.43	1.12	.89	.67
607689	UPW1C821MPD	820	16V	10.2 x 20.1 x 3.7	.62	.462	.349	.262
606432	UHE0J102MPD	1000	6.3V	8.2 x 14.4 x 3	✳	.146	.116	.102
609465	UVZ1C102MPD	1000	16V	10.1 x 20.2 x 4.8	.63	.396	.347	.248
606601	UHE1C102MPD	1000	16V	10.1 x 20.4 x 4.5	.44	.348	.275	.238
330722	RB1000/16	1000	16V	10 x 20 x 5	.23	.216	.19	.171
158298	R1000B25	1000	25V	10.2 x 17 x 4	.35	.29	.25	.19
607718	UPW1E102MHD	1000	25V	13 x 20.8 x 5	.86	.64	.457	.361
158378	R1000B35	1000	35V	13 x 22 x 4	.49	.44	.35	.26
609553	UVZ1H102MHD	1000	50V	13.2 x 25 x 4	.84	.62	.449	.324
607865	UPW1H102MHD	1000	50V	16.2 x 26.3 x 6.6	1.20	.91	.70	.59
606627	UHE1C122MPD	1200	16V	10.1 x 24 x 4.3	.40	.324	.249	.213
607232	UPW0J152MPD	1500	6.3V	10.2 x 21.1 x 4.3	.48	.365	.281	.23
607398	UPW1A152MPD6	1500	10V	10.1 x 21.2 x 4.7	.55	.419	.304	.235
607873	UPW1H152MHD	1500	50V	16 x 30.5 x 7.5	1.55	1.20	.93	.69
606467	UHE0J182MHD	1800	6.3V	10.1 x 20.2 x 4.4	.36	.292	.224	.168
607751	UPW1E182MHD	1800	25V	13 x 25 x 5	1.25	.93	.69	.58
609342	UVZ0J222MPD	2200	6.3V	10.2 x 20.3 x 4.7	.52	.365	.257	.193
607427	UPW1A222MHD	2200	10V	13.2 x 21.1 x 5	.81	.62	.468	.351
606563	UHE1A222MPD	2200	10V	10.1 x 24.7 x 4.1	.57	.454	.349	.298
609490	UVZ1C222MHD	2200	16V	13.1 x 20.6 x 6	.82	.62	.476	.34
606643	UHE1C222MHD	2200	16V	13.2 x 25 x 4	.71	.58	.464	.348
609705	UVZ1V222MHD	2200	35V	16 x 25 x 7.5	1.38	1.05	.81	.57
608235	UPW1V222MHD6	2200	35V	18 x 26 x 8.2	1.42	1.10	.85	.64
607064	UHE1V222MHD	2200	35V	16.2 x 26.6 x 7.3	1.12	1.01	.78	.68
606838	UHE1H222MHD6	2200	50V	18 x 30 x 7	1.53	1.20	1.05	.90
158431	R2200B50 ⊕	2200	50V	16.2 x 32.1 x 4	1.19	1.04	.78	.64
609377	UVZ0J332MPD	3300	6.3V	13.1 x 21.1 x 5.3	.57	.429	.324	.238
609449	UVZ1A332MHD	3300	10V	13.2 x 20.8 x 5.1	.84	.62	.476	.34
607443	UPW1A332MHD6	3300	10V	13.3 x 20.8 x 4.8	.71	.53	.398	.298
608278	UPW1V332MHD	3300	35V	18.1 x 33.5 x 6.7	1.79	1.40	1.08	.81
609588	UVZ1H332MHD	3300	50V	18 x 36 x 7	2.15	1.66	1.30	.97
607814	UPW1E472MHD	4700	25V	19 x 35.7 x 6.6	1.55	1.18	.89	.77
609457	UVZ1A682MHD	6800	10V	16.2 x 26.7 x 7.5	1.55	1.18	.91	.65
607697	UPW1C822MHD	8200	16V	16.1 x 33 x 7	1.89	1.49	1.15	.86
609473	UVZ1C103MHD	10000	16V	18.2 x 40 x 7.1	1.95	1.49	1.15	.86

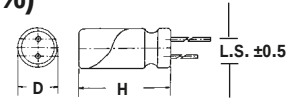
✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



85°C – General Purpose

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330941	RN1/50	1	50V	5 x 11 x 2.0	$.21	$.159	$.085	$.075
330915	RN10/25 ⊕	10	25V	5 x 11.5 x 1.5	.28	.243	.194	.146
330983	RN10/50	10	50V	6 x 12 x 2.0	.22	.198	.178	.16
330894	RN100/16 ⊕	100	16V	8.3 x 11 x 3	.45	.405	.365	.328

† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

85°C – Non-Polarized High-Frequency (Horizontal Deflection)

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
331151	RN4.7/25S	4.7	25V	5 x 11 x 1.5	$.37	$.348	$.186	$.14

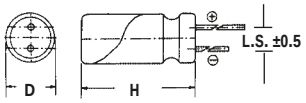
More ValuePro Capacitors at www.Jameco.com

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Passives

Panasonic® Aluminum Radial-Lead Electrolytic Capacitors





ECA-M Series

- Miniaturized size version for general purpose use
- Operating temperature range: -40°C to 85°C
- Life: 2,000 hours @ 85°C

For more Panasonic Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	Voltage	Capacitance Value	Size (mm) D x H x L.S.	Pricing 1	5	100
856888	ECA-1CM101 ♠	16	100µF	5 x 11 x 2	✳	$.063	$.057
919050	ECA-1EM471 ♠	25	470µF	10 x 12.5 x 5	✳	.223	.161
919025	ECA-1EM102 ♠	25	1000µF	10 x 20 x 5	✳	.34	.252

ECO-TS Series

- TSHB compact size
- Tolerance: ±20%
- Operating temp. range: -40°C to 105°C
- Long life & high ripple current

Part No.	Product No.	Voltage	Capacitance Value	Size (mm) D x H x L.S.	Pricing 1	10	100
860140	ECO-S2WB471EA ♠	450	470µF	35 x 50	$12.29	$10.84	$10.30

NHG Series

- Compact size
- Life: 1,000 to 2,000 hours @ 105°C
- Operating temp. range: -55°C to 105°C

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	Voltage	Capacitance Value	Size (mm) D x H x L.S.	Pricing 1	5	100
918997	ECA-1EHG471 ♠	25	470µF	10 x 12.5 x 5	✳	$.285	$.211

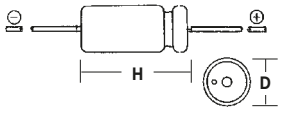
JAMECO ValuePro Aluminum Axial-Lead Electrolytic Capacitors

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General purpose 85°C maximum

Quantity SAVE





Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

†**CROSS REFERENCES: Elna:** RE2; **IC:** RAR; **Marcon:** SEM; **Nichicon:** LB/VX; **Rubycon:** TWSS; **Sprague:** 501D/513D; **UCC:** SME; **Panasonic:** SU

For more ValuePro Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100	500
10868	A1/50 ♠	1	50V	5 x 13	$.23	$.15	$.104	$.078
11078	A4.7/50 ♠ ✪	4.7	50V	6 x 13	✳	.11	.097	.073
199260	A10J/25 ♠ ✪	10	25V	5 x 12	.20	.174	.15	.139
10883	A10/50 ⊕	10	50V	6 x 12	.24	.167	.14	.105
331425	AB10/450 ♠	10	450V	13 x 25	1.08	.99	.89	.67
199268	A22J/25 ♠	22	25V	6 x 12	.24	.195	.147	.108
331433	AB22/450 ♠	22	450V	16 x 26	1.99	1.66	1.51	1.37
135321	A47/25 ♠	47	25V	8 x 16	.23	.15	.14	.096
11107	A47/50 ♠ ✪	47	50V	8 x 13	.21	.19	.14	.11
199188	A100J/16 ♠	100	16V	6.3 x 16	.39	.297	.266	.239
199284	A100J/25 ♠	100	25V	8 x 16	.25	.20	.18	.15
10913	A100/50 ♠	100	50V	8 x 12	.26	.245	.221	.199
331380	AB100/100 ♠	100	100V	10 x 20	.85	.73	.57	.47
331409	AB100/160 ♠	100	160V	16 x 26.5	2.09	1.86	1.68	1.51
331417	AB100/250 ♠	100	250V	16 x 30.5	2.45	2.09	1.93	1.80
331299	AB150/50 ⊕	150	50V	10 x 17	.96	.86	.69	.518
199292	A220J/25 ♠	220	25V	8 x 17.5	.29	.22	.188	.126
11019	A220/50 ♠	220	50V	10 x 17	.35	.29	.25	.192
199217	A470J/16 ♠	470	16V	18 x 8	.35	.286	.257	.193

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100	500
199313	A470J/25 ♠	470	25V	10 x 26	$.45	$.39	$.29	$.25
199381	A470J/35 ♠	470	35V	10 x 21	.50	.404	.371	.278
11123	A470/50 ♠	470	50V	13 x 21	.59	.49	.42	.34
93633	A1000/16 ♠	1000	16V	10 x 20	.51	.46	.42	.347
10956	A1000/25 ♠	1000	25V	10 x 20	.66	.54	.49	.38
93651	A1000/35 ♠	1000	35V	13 x 22	.94	.83	.66	.545
147258	A1000/50 ♠ ✪	1000	50V	16 x 27	.88	.77	.66	.545
199322	A2200J/25 ♠	2200	25V	16 x 28	1.39	1.23	1.15	1.09
93658	A2200/35 ♠	2200	35V	16 x 30	1.25	1.10	.99	.85
199478	A2200J/50 ⊕	2200	50V	18 x 33.8	2.15	1.93	1.54	1.15
93666	A3300/25 ⊕	3300	25V	16 x 30	1.10	.99	.88	.77
199398	A3300J/35 ⊕	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199487	A3300J/50 ♠	3300	50V	22 x 43	2.19	1.96	1.77	1.59
199232	A4700J/16 ⊕	4700	16V	16 x 26.5	1.45	1.30	1.04	.78
93675	A4700/25 ♠	4700	25V	16 x 30	1.69	1.49	1.29	.99
199401	A4700J/35 ⊕ ✪	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158811	A4700A50 ♠	4700	50V	22 x 42	2.79	2.29	2.09	1.79
199340	A6800J/25 ♠	6800	25V	18 x 40	2.99	2.74	2.20	1.59
93683	A10000/16 ♠	10000	16V	16 x 33	2.99	2.75	2.19	1.59

Other Manufacturers — Great Deals*

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100	500
10866	A1/50	1	50V	5 x 13	$.20	$.17	$.125	$.094
11076	A4.7/50	4.7	50V	6 x 13	.20	.162	.13	.088
93577	A10/35	10	35V	6 x 13	✳	.105	.10	.09
10882	A10/50	10	50V	6 x 12	.23	.15	.12	.08
135319	A47/25	47	25V	8 x 16	.25	.135	.115	.086
11105	A47/50 ⊕	47	50V	8 x 16	✳	.108	.097	.087
93551	A100/35	100	35V	8 x 16	.27	.22	.19	.15

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100	500
10911	A100/50	100	50V	8 x 20	$.33	$.287	$.23	$.172
10954	A1000/25	1000	25V	13 x 31	.52	.456	.365	.306
93649	A1000/35	1000	35V	13 x 26	.48	.437	.431	.388
147256	A1000/50	1000	50V	16 x 31	.76	.67	.53	.44
11033	A2200/16	2200	16V	16 x 40	.79	.71	.65	.59
93673	A4700/25	4700	25V	22 x 39	1.86	1.61	1.40	1.07
93681	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.49

*Capacitor dimensions and styles may vary ✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

A Jameco EXCLUSIVE

85°C – General purpose

For more ValuePro Caps visit www.Jameco.com

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100	500
331555	AN4.7/50 ⊕	4.7	50V	6 x 16	$.46	$.41	$.37	$.34
331564	AN10/50 ♠	10	50V	6 x 16	.49	.45	.39	.35

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♠ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C • Can-Top safety vent

† **CROSS REFERENCES: Aero M**: LP/LPR; **Elna**: LP3/LP4; **Illinois Capacitor**: LBA/LPR; **Mallory**: LPX; **Marcon**: CEAWF; **Nichicon**: LLK/LLQ; **Panasonic**: TS-UP/TS-U; **Phillips** (MEPCO): 3487/3489; **Rubycon**: RSP; **Sprague**: 80D/82D; **United Chemicon**: SMG(VN)/SMH(VN)

Snap-Ins!



For more ValuePro Caps visit www.Jameco.com

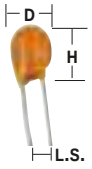
Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100
203246	SN330/400 ⊕	330	400V	30 x 46 x 9	$4.25	$3.61	$2.70
203263	SN470/400/5	470	450V	35 x 49 x 9	8.25	7.60	5.69
331898	SNB4700/50 ♻	4700	50V	25 x 31 x 9	2.99	2.79	2.53
331900	SNB6800/50 ⊕	6800	50V	25.2 x 42.4 x 9	2.69	2.40	1.82
331759	SNA8200/80 ♻	8200	80V	35 x 51 x 9	6.45	5.63	4.83
157738	SN10000/50 ♻	10000	50V	35 x 40 x 12	$4.95	$4.10	$3.99
331716	SNA15000/25 ♻	15000	25V	25 x 41 x 9	2.65	2.35	1.78
Other Manufacturers — Great Deals*							
203254	SN470/400/4	470	400V	35 x 41	$6.35	$5.40	$4.05

*Capacitor dimensions and styles may vary

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Designed for entertainment and commercial equipment
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Low leakage current
- Flame retardant coating

Quantity SAVE



For more ValuePro Capacitors visit www.Jameco.com

†**Cross References: Panasonic:** EF Series; **AVX:** Tap Series; **Sprague:** 196D and 199D; **Matsuo:** 202; **Kemet:** T350/ T360; **Mepco:** 49GS; **NEC:** DN; **Nichicon:** 599; **NIC:** NDTM; **Hitachi:** TSD-3

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing 1	10	100	500
154862	TM1/25 ♻	.10	25	4.5 x 7 x 2.5	$.32	$.29	$.25	$.22
33488	TM.1 ♻	.10	35	4.5 x 7 x 2.5	.32	.285	.217	.171
332111	TDR0.1/50 ♻	.10	50	4.5 x 7 x 2.5	.33	.296	.213	.198
545570	TAP104K050SCS ♻	.10	50	4 x 6 x 2.5	.32	.288	.252	.23
545692	TAP154K035SCS ♻	.15	35	4 x 6 x 2.5	.21	.189	.151	.113
33525	TM.33 ♻	.33	35	4.5 x 7 x 2.5	.25	.225	.19	.143
546038	TAP474K035SCS ♻	.47	35	4.3 x 7 x 2.5	.27	.231	.214	.208
33533	TM.47 ♻	.47	35	4.5 x 7 x 2.5	.22	.20	.15	.14
545588	TAP105K025SCS ♻	1	25	4.3 x 7 x 2.5	.28	.233	.196	.186
545596	TAP105K035SCS ♻	1	35	4.3 x 7 x 2.5	.20	.169	.154	.151
545561	TAP104K035SCS ♻	0.1	35	4 x 6 x 2.5	.27	.20	.188	.175
33664	TM1 ♻	1	35	4.5 x 7 x 2.5	.32	.29	.25	.22
545609	TAP105K050SCS ♻	1	50	4.7 x 7.5 x 2.5	.31	.26	.239	.232
94003	TM2.2/16 ♻	2.2	16	4.5 x 7 x 2.5	.26	.228	.192	.144
33736	TM2.2/35 ♻	2.2	35	5 x 8 x 2.5	.47	.42	.33	.221
545801	TAP225K025SCS ♻	2.2	25	4.3 x 7 x 2.5	.25	.21	.206	.197
545941	TAP335K025SCS ♻	3.3	25	4.3 x 7 x 2.5	.34	.303	.242	.182
546071	TAP475K025SCS ♻	4.7	25	4.3 x 7 x 2.5	.39	.35	.295	.278
546089	TAP475K035SCS ♻	4.7	35	4.7 x 7.5 x 2.5	.37	.321	.257	.206
546185	TAP685K025SCS ♻	6.8	25	4.7 x 7.5 x 2.5	.52	.45	.36	.298
33875	TM6.8 ♻	6.8	35	6.5 x 11 x 2.5	.59	.45	.36	.32
545617	TAP106K006SCS ♻	10	6.3	4.3 x 7 x 2.5	.40	.335	.274	.249
545625	TAP106K010SCS ♻	10	10	4.7 x 7.5 x 2.5	.43	.284	.266	.238
94062	TM10/16 ♻	10	16	5 x 8 x 2.5	.45	.39	.29	.25
545633	TAP106K020SCS ♻	10	20	5.4 x 8 x 2.5	.60	.51	.42	.38
545641	TAP106K025SCS ♻	10	25	5.4 x 8 x 2.5	.59	.51	.41	.39
94080	TM10/25 ♻	10	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36
545650	TAP106K035SCS ♻	10	35	5.4 x 8 x 2.5	$.98	$.90	$.72	$.54
33691	TM10 ♻	10	35	5.5 x 11 x 2.5	.89	.79	.69	.59
332161	TDR10/50 ⊕	10	50	8.5 x 13 x 2.5	3.78	3.34	2.73	2.04
545730	TAP156K016SCS ♻	15	16	5.4 x 8 x 2.5	.54	.46	.44	.41
545836	TAP226K006SCS ♻	22	6.3	4.7 x 7.5 x 2.5	.45	.42	.394	.34
545844	TAP226K010SCS ♻	22	10	5.4 x 8 x 2.5	.51	.44	.425	.411
545852	TAP226K016SCS ♻	22	16	5.4 x 8 x 2.5	.41	.36	.34	.329
94095	TM22/16 ⊕	22	16	5.5 x 9.5 x 2.5	.76	.65	.54	.50
545879	TAP226K025SCS ♻	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08
545887	TAP226K035SCS ♻	22	35	7 x 11 x 2.5	1.43	1.22	1.19	1.07
545975	TAP336K006SCS ♻	33	6.3	5.4 x 8 x 2.5	.36	.306	.245	.184
545991	TAP336K016SCS ♻	33	16	6 x 9.4 x 2.5	1.24	1.05	.86	.77
546100	TAP476K010SCS ♻	47	10	6 x 9.4 x 2.5	1.06	.91	.88	.84
546118	TAP476K016SCS ♻	47	16	6 x 9.4 x 2.5	1.65	1.41	1.33	1.20
94124	TM47/16 ⊕	47	16	6.5 x 11 x 2.5	1.85	1.69	1.47	1.04
33824	TM47 ♻	47	25	9.5 x 16.5 x 2.5	3.69	3.33	2.82	2.12
546126	TAP476K035CCS ♻	47	35	8.2 x 12.5 x 5	5.65	5.09	3.85	2.89
546214	TAP686K010SCS ♻	68	10	6 x 9.4 x 2.5	1.55	1.39	1.12	.84
546222	TAP686K016SCS ♻	68	16	7 x 11 x 2.5	1.95	1.69	1.35	1.01
332100	TDR68/25 ♻	68	25	9.5 x 16.5 x 2.5	6.59	5.89	4.63	3.29
545668	TAP107K006SCS ♻	100	6.3	6.0 x 9.4 x 2.5	1.35	1.22	.97	.73
33702	TM100 ♻	100	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85
597450	TAP107K016CCS ♻	100	16	7 x 11 x 2.5	4.95	4.16	3.40	3.06
545684	TAP107K020CCS ♻	100	20	8.2 x 12.5 x 2.5	5.65	4.77	3.90	3.77
545772	TAP157K010CCS ♻	150	10	7 x 11 x 2.5	3.89	3.50	2.80	2.10
545895	TAP227K010CCS ♻	220	10	8.2 x 12.5 x 2.5	4.85	4.40	3.94	3.81
Other Manufacturers — Great Deals*								
33486	TM.1	.10	35	4.5 x 7	$.23	$.225	$.171	$.135
33507	TM.22	.22	35	4.5 x 7	.27	.237	.184	.137
33523	TM.33	.33	35	4.5 x 7	.28	.251	.216	.196
33531	TM.47	.47	35	4.5 x 7	.24	.219	.182	.179
154860	TM1/25	1	25	4.5 x 7	.30	.246	.194	.168
33662	TM1	1	35	4.5 x 7	.29	.261	.225	.198
94001	TM2.2/16	2.2	16	4.5 x 7	.35	.288	.212	.159
94035	TM4.7/16	4.7	16	5 x 8	.36	.284	.216	.195
94043	TM4.7/25	4.7	25	5 x 8	.35	.312	.273	.248
33806	TM4.7	4.7	35	5.5 x 9.5	.41	.378	.333	.243
94060	TM10/16	10	16	5 x 8	$.41	$.351	$.261	$.225
94078	TM10/25	10	25	5.5 x 9.5	.53	.45	.36	.324
33689	TM10	10	35	6.5 x 11	.80	.71	.62	.53
33718	TM15	15	25	6.5 x 11	.96	.87	.78	.70
94094	TM22/16	22	16	5.5 x 9.5	.62	.53	.441	.405
94107	TM22/25	22	25	8.5 x 13	1.79	1.39	1.29	1.22
33785	TM33	33	25	8.5 x 13	2.09	1.89	1.45	.95
94123	TM47/16	47	16	6.5 x 11	1.54	1.34	1.14	.93
33822	TM47	47	25	9.5 x 16.5	3.29	2.72	2.18	1.96
33700	TM100	100	6.3	8.5 x 13	1.31	1.18	.95	.71

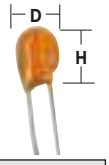
*Capacitor dimensions and styles may vary

Committed to You

We're committed to providing you with the best service in the industry.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AVX® TAP Series Epoxy Dipped Radial Tantalum Capacitors



TAP Series is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical size, and exceptional temperature stability". Designed and conditioned to operate up to 125°C. Voltages listed are at 85°C, derate voltage 33% at 125°C.

Case	H	D
A	8.5mm (0.330")	4.5mm (0.180")
B	9.0mm (0.350")	4.5mm (0.180")

TAP Series (Bulk)

For more AVX Capacitors visit www.Jameco.com

Part No.	Product No.	Case	Value	Voltage	Tolerance	1	10	100
852511	TAP224K035SCS	A	.22µF	35	10%	$.25	$.218	$.199
852393	TAP106K016SCS ♠	A	10µF	16	10%	.57	.429	.39
852473	TAP106K035CCS ♠	B	10µF	35	10%	.90	.85	.80
852553	TAP226K035CCS ♠	B	22µF	35	10%	2.03	1.94	1.71

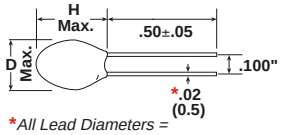
TAP Series (Tape & Reel)

Part No.	Product No.	Case	Value	Voltage	Tolerance	Pricing	
852457	TAP106K025SRW ♠	A	10µF	25	10%	★	Call/Web
852431	TAP106K025CRW ♠	B	10µF	25	10%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing

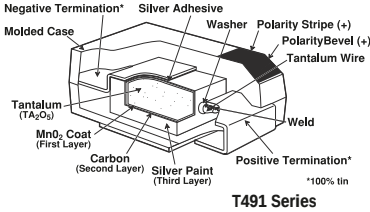
KEMET Tantalum Capacitors

For more KEMET Capacitors visit www.Jameco.com



*All Lead Diameters = .02 ± .002 (0.5 ± .05 mm)

T350 Series



T491 Series

Tantalum Dipped Radial (±10%)

✳ Minimum order 10 pieces

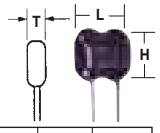
Part No.	Product No.	Value	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100
1572342	T350E106K025AS	10pF	25	5.5 x 8.9 x 0.1	$.67	$.60	$.45

Tantalum Chip Capacitors (±10%)

1573185	T491A105K025AT ♠	1pF	25V	3.2 x 1.6 x 1.6	✳	$.113	$.099
1573804	T491C106K025AT ♠	10pF	25V	6.0 x 3.2 x 2.5	✳	.154	.144
1574348	T491D226K025AT ♠	22pF	25V	7.3 x 4.3 x 2.8	.50	.47	.44

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors



- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55˚ to +125˚C

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
16037	DM220	22pF	500	11 x 4 x 9	$.52	$.43	$.343	$.28
16096	DM470	47pF	500	11 x 4 x 9	.46	.414	.331	.248
16002	DM101	100pF	500	11 x 4 x 9	.45	.36	.30	.25
16088	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.413
16109	DM471	470pF	500	11 x 4 x 9	1.05	.86	.69	.59

*Capacitor dimensions and styles may vary

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked



- High volumetric efficiency
- Low dissipation factor: 1% max.
- Stacked & non-inductive construction
- Operating temp. range: -40°C to 85°C

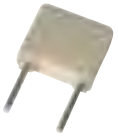
For more Panasonic Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing 1	5	100
920536	ECQ-V1H223JL	.022	50	7.3 x 3.2 x 5 x 5	✳	$.121	$.102
920510	ECQ-V1H104JL	.1	50	7.3 x 4 x 5 x 5	✳	.105	.088
920499	ECQ-V1104JM	.1	100	7.3 x 5.8 x 7 x 5	✳	.121	.102
920561	ECQ-V1H224JL	.22	50	7.3 x 4.8 x 5.5 x 5	✳	.13	.11
920595	ECQ-V1H474JL	.47	50	7.3 x 6 x 7.3 x 5	✳	.177	.148
920624	ECQ-V1J474JM ♠	.47	100	10 x 8.1 x 11 x 7.5	✳	.174	.146

CDE Polyester Film Capacitors

Type 168 (±5%) – Radial Lead Metallized Polyester Film



- 5mm (0.197") lead spacing
- Low leakage
- Non-inductively wound
- Case and epoxy fill meets UL94V-0
- Length: 7.2mm
- Rugged plastic case
- Non-polarized
- Good for general purpose applications such as bypass, decoupling, energy storage/discharge and arc suppression

For more CDE Caps visit www.Jameco.com

Part No.	Product No.	Value (µF)	Volt.(VDC/VAC)	Th. x H (mm)	1	10	100	500
528462	168105J50G	1.00	50/30	6 x 11	$.85	$.84	$.83	$.82

Type PVC (±10%) – Polyester/Polypropylene Film/Foil



- Non-inductively wound
- Non-polarized
- Rugged epoxy case material meets UL94V-0
- Crimped leads for secure PCB insertion
- Insulation resistance: polyester – 100,000MΩ
- Voltage range: polyester – 100VDC to 1000VDC; polypropylene – 1200VDC to 2000VDC for ≤0.25µF, 25,000MΩ >0.25µF; polypropylene – 400,000MΩ ≤ 0.50µF,200,000MΩ ≥0.50µF
- Dielectric withstanding voltage: 250% rated voltage for <1000V, 200% rated voltage for ≥1000V

600VDC/200VAC, 60Hz

Part No.	Product No.	Value (µF)	L x Dia. (mm)	Spacing	1	10	100	1000
536999	PVC6147	.047	30.5 x 14.2	24.6mm	$.89	$.80	$.78	$.76

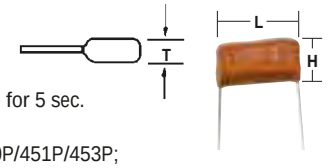
Type 150 (±5%) – Axial Lead Metallized Polyester Film



- Flame retardant wrap & fill axial capacitors
- Epoxy end fill meets UL94V-0
- Flame retardant outer wrap meets UL510
- Non-inductively wound
- General purpose capacitor for use in blocking, bypass, decoupling, smoothing, and timing applications
- Non polarized

Part No.	Product No.	Value (µF)	Volts	L x Dia. (mm)	1	10	100	500
527911	150104J100AA	.10	100	11 x 5	$.47	$.444	$.433	$.422

Metallized Polyester Film Mylar Capacitors (±10%)



- High performance at low cost
- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5 sec.

†Cross References:

Panasonic: ECQ-E Series; **Sprague:** DF/450P/451P/453P; **Westlake:** 160/168/185/167/184/186; **Rubycon:** MC/MN; **Mepco:** 713A1/719A1/C280; **TRW:** X601PE/ X601CPE; **Packtron:** MF/RB; **Secor:** MMKS/MMKR/MMDR; **RIFA:** PHE353/ PHE354; **Roederstein:** MKT 1818/MKT 1822; **WIMA:** MKS; **CSF Thompson:** MD/ MC; **Siemens:** B325X-XX; **NIC:** NEM/NRM; **Nichicon:** DDXM; **Phillips:** 712 A1 series

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (µF)	Volt. (V)	Size (mm)* L x T x H	1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0	✳	$.092	$.062	$.048
26876	MY.0047	.0047	100	6.0 x 3.0 x 9.0	✳	.14	.119	.107
26884	MY.01	.01	100	6.0 x 3.0 x 7.0	✳	.13	.096	.091
26905	MY.022	.022	100	6.0 x 3.0 x 10.0	✳	.15	.10	.06
26921	MY.033	.033	100	8.0 x 4.0 x 11.0	✳	.092	.074	.056
26930	MY.047	.047	100	8.0 x 4.0 x 12.0	.27	.20	.15	.11
135562	MY.1/50	.1 ‡	50	14.0 x 6.0 x 12.0	✳	.14	.12	.094
26956	MY.1	.1	100	12.5 x 5.0 x 9.5	.33	.28	.222	.143
93921	MY.1/250	.1	250	12.5 x 5.5 x 10	.24	.17	.14	.122
26972	MY.22	.22	100	12.5 x 5.5 x 10	.21	.19	.12	.085
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.26	.227	.182	.137
27001	MY1	1.0	100	18.0 x 7.5 x 14.0	.65	.537	.40	.278
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.53	.38	.33	.25
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	1.11	.90	.75	.65

‡ ±20% tolerance *Capacitor dimensions and styles may vary

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

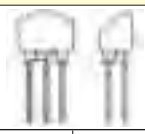
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

EMI Filters NEW

For more Murata EMI Filters visit www.Jameco.com

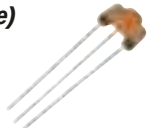
Lead EMIFIL® Capacitor Type (Broadband Type)



- Operating temperature range: -25˚C to 85˚C
- Rated current: 7A
- Dimensions (max.): 12.0mm W x 7.5mm D x 105mm H

Part No.	Product No.	Capacitance	Tolerance	Rated Volt.	10	100
1853996	DSS9NC52A222Q55B ♠	2200pF	±20%	100VDC	$.45	$.40
1853970	DSS9NC51H223Q55B ♠	22000pF	+50%, -20%	50VDC	.41	.366

Lead EMIFIL® Capacitor Type (for General Small Type)



- Operating temperature range: -25˚C to 85˚C
- Rated current: 6A
- Dimensions (max.): 8.0mm W x 2.54mm D x 7.0mm H

Part No.	Product No.	Capacitance	Tolerance	Rated Volt.	10	100
1853793	DSS6NC52A101Q55B ♠	100pF	±20%	100VDC	$.40	$.363
1853873	DSS6NC52A471Q55B ♠	470pF	±20%	100VDC	.41	.366
1853806	DSS6NC52A102Q55B ♠	1000pF	±20%	100VDC	.41	.366
1853881	DSS6NE52A222Q55B ♠	2200pF	+80%, -20%	100VDC	.41	.366
1853937	DSS6NZ82A103Q55B ♠	10000pF	±30%	100VDC	.241	.221
1853902	DSS6NF31C223Q55B ♠	22000pF	+80%, -20%	16VDC	.41	.366

Lead EMIFIL® Inductor Type



- Operating temperature range: -40˚C to 85˚C
- Dimensions: 45mm L (min.) x 3.6mm Dia. x 20mm lead length

Part No.	Product No.	Rated Current	10	100
1844580	BL01RN1A1D2B ♠	7A	$.109	$.079

CDE Axial Leaded Multilayer Ceramic Capacitors

P10 – P40 Series



- Axial leaded conformally coated
- Applications: filtering, bypass, coupling
- Encapsulation consists of a moisture and shock resistant coating that meets UL04V-0

For more CDE Capacitors visit www.Jameco.com

50VDC, X7R, ±10% • Prepackaged: please order in increments of 10

Part No.	Product No.	Value	Dimensions	10	100	500	1000
536526	P10R103K5	.01µF	0.10"Dia. x 0.17"L	$.127	$.123	$.119	$.113
536542	P20R104K5	.1µF	0.12"Dia. x 0.17"L	.157	.153	.151	.149

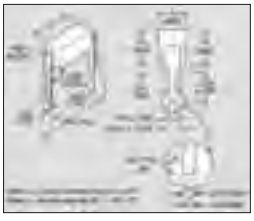
50VDC, Z5U, ±20%

Part No.	Product No.	Value	Dimensions	10	100	500	1000
536534	P10U104M5	.1µF	0.10"Dia. x 0.17"L	$.10	$.096	$.091	$.086

AVX® Molded DIP Lead Ceramic Capacitors

- DIP package
- Tolerances: 10%, 20%
- Operating temp.: X7R: -55°C; Z5U: -10°C to 85°C

Length (L)	6.60mm (0.260")
Height (H1)	3.43mm (0.135")
Height (H2)	4.19mm (0.165")
Thickness	2.54mm (0.098")



For more AVX Ceramic Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

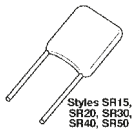
Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	1	10	100
848853	MD015C103KAB	X7R	.01µF	50	10%	$.45	$.44	$.43
848870	MD015C104KAB	X7R	.1µF	50	10%	.51	.47	.43
848933	MD015E104MAB ♠	Z5U	.1µF	50	20%	✳	.26	.25

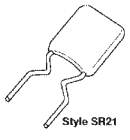
AVX® Radial Ceramic Capacitors

- Conformally coated radial leaded MLC
- Temperature coefficients: NPO, X7R, Z5U
- Case material: epoxy
- Lead material: 24AWG solid copper plated

AVX Style	SR15 (A) Case	SR20/SR21 (B) Case	SR30 (C) Case	SR40 (D) Case
Width (W)	3.81mm (0.150")	5.08mm (0.200")	7.62mm (0.300")	10.16mm (0.400")
Height (H)	3.81mm (0.150")	5.08mm (0.200")	7.62mm (0.300")	10.16mm (0.400")
Thickness (T)	2.54mm (0.100")	3.175mm (0.125")	3.81mm (0.150")	3.81mm (0.150")
Lead spacing (L.S.)	2.54mm (0.100")	5.08mm (0.200")	5.08mm (0.200")	5.08mm (0.200")
Lead diameter (L.D.)	0.508mm (0.020")	0.508mm (0.020")	0.508mm (0.020")	0.508mm (0.020")

For more AVX Ceramic Capacitors visit www.Jameco.com





NPO Leaded Case

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
849215	SR151A101JAA	NPO	100pF	100	5%	A	✳	$.102	$.099
767421	SR151A561JAA	NPO	560pF	100	5%	A	✳	.232	.227
768212	SR405A473JAA ♠	NPO	.047µF	50	5%	D	3.09	2.93	2.63

X7R Leaded Case

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
767463	SR151C102KAR	X7R	1000pF	100	10%	A	✳	$.077	$.075
767480	SR151C332KAA	X7R	3300pF	100	10%	A	✳	.13	.128
849362	SR155C103KAA	X7R	.01µF	50	10%	A	✳	.13	.126
767543	SR155C103KAR	X7R	.01µF	50	10%	A	✳	.071	.069
849830	SR215C103KAA ♠	X7R	.01µF	50	10%	B	✳	.119	.114
767631	SR201C333KAA	X7R	.033µF	100	10%	B	✳	.18	.177
849522	SR205C104KAA	X7R	.1µF	50	10%	B	✳	.131	.115
849477	SR201C104KAA	X7R	.1µF	100	10%	B	✳	.125	.122
849899	SR215C224KAA	X7R	.22µF	50	10%	B	.52	.49	.27
768175	SR305C474KAR	X7R	.47µF	50	10%	C	1.00	.74	.522
850072	SR305C105KAA	X7R	1µF	50	10%	C	.83	.78	.76
768141	SR305C105KAR	X7R	1µF	50	10%	C	.74	.71	.69

Ceramic Leaded Z5U (Bulk)

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
767682	SR205E104MAR ♠	Z5U	.1µF	50	20%	B	✳	$.059	$.056
849910	SR215E104MAA ♠	Z5U	.1µF	50	20%	B	✳	.059	.056
767981	SR215E104MAT	Z5U	.1µF	50	20%	B	✳	.051	.046
767869	SR211E224MAA ♠	Z5U	.22µF	100	20%	B	✳	.337	.303
850013	SR215E474MAA ♠	Z5U	.47µF	50	20%	B	✳	.231	.216
768183	SR305E105MAR ♠	Z5U	1µF	50	20%	C	✳	.272	.259
850030	SR301E105MAA ♠	Z5U	1µF	100	20%	C	✳	.421	.363

Ceramic Leaded Z5U (Tape and Reel)

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	Pricing
767691	SR205E104MARTR1 ♠	Z5U	.1µF	50	20%	B	★ Call/Web
767973	SR215E104MARTR1 ♠	Z5U	.1µF	50	20%	B	★ Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

More Major Brand products available at www.Jameco.com

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com



♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

Ceramic & Memory Back-Up Capacitors

RoHS Compliant Product
RoHS Also Available
Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave

Ceramic Molded Radial Capacitors





For more KEMET Ceramic Caps visit www.Jameco.com

Minimum order 5 pieces

X7R Series

Part No.	Product No.	Value	Voltage	Size (mm) L x W x H x L.S.	Pricing 5	Pricing 50
1776142	CK05BX220K ♠	22pF	200V	4.83 x 4.83 x 2.29 x 5.08	$.253	$.238
1776177	CK05BX330K ♠	33pF	200V	4.83 x 4.83 x 2.29 x 5.08	.208	.188
1776097	CK05BX101K ♠	100pF	200V	4.83 x 4.83 x 2.29 x 5.08	.206	.186
1776151	CK05BX221K ♠	220pF	200V	4.83 x 4.83 x 2.29 x 5.08	.206	.186
1640325	CK05BX102K TR ♠	1000pF	200V	4.83 x 4.83 x 2.29 x 5.08	.194	.182
1776118	CK05BX102K ♠	1000pF	200V	4.83 x 4.83 x 2.29 x 5.08	.23	.192
1776169	CK05BX222K ♠	2200pF	100V	4.83 x 4.83 x 2.29 x 5.08	.206	.186
1776126	CK05BX103K ♠	0.01µF	100V	4.83 x 4.83 x 2.29 x 5.08	.196	.183
1776134	CK06BX104K ♠	0.1µF	100V	7.37 x 7.37 x 2.29 x 5.08	.245	.176
1776185	CK05BX104K ♠	1µF	50V	4.83 x 4.83 x 2.29 x 5.08	.265	.245

Memory Back-Up Capacitors

Applications:
- Memory back-up of remote controllers
- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)

Features:
- Small size vs. capacitance
- Voltage: 5.5VDC
- Excellent volt. holding characteristics for low back-up currents



227811

Part No.	Cross Ref. No.	Value (F)	Size (mm) L x T x Dia.	1	10	100
142957	MBC1.0/5.5	1.0	—	$4.49	$3.99	$3.79
227811	S5R5V105	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.86

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For additional KEMET Ceramic Molded Radial Capacitors, visit our website today!

Ceramic Disc Capacitors (±20%)

JAMECO ValuePro — A Jameco Exclusive

25, 50 and 1000 Volt, Z5U Temperature Coefficient

Quantity SAVE



- Operating temperature range: +10°C to +85°C
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Cap. change over temp. range: +22% to -56%

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332291	CD3.3/1000 ⊕	3.3pF	1000	5 x 2.5	$.24	$.179	$.134	$.119	$.107
15335	DC10	10pF	50	5 x 2.5	✳	.07	.05	.02	.015
332196	CD12/50	12pF	50	5 x 2.5	✳	.015	.01	.009	.008
332321	CD20/1000 ⊕	20pF	1000	5 x 2.5	.44	.35	.20	.18	.135
15407	DC22	22pF	50	6 x 2.5	✳	.078	.055	.028	.022
332340	CD22/1000	22pF	1000	5 x 2.5	✳	.101	.057	.052	.048
332217	CD33/50	33pF	50	5 x 2.5	✳	.069	.034	.031	.025
15512	DC47	47pF	50	5 x 2.5	✳	.055	.039	.022	.017
15343	DC100	100pF	50	5 x 2.5	✳	.056	.039	.028	.022
332371	CD150/1000 ⊕	150pF	1000	5 x 2.5	.23	.201	.143	.079	.059
15415	DC220	220pF	50	5 x 2.5	✳	.05	.035	.025	.015

For more ValuePro Caps visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332436	CD1000/1000	1000pF	1000	5 x 2.5	$.39	$.248	$.179	$.101	$.095
332460	CD5000/1000 ⊕	5000pF	1000	7 x 2.5	.31	.30	.186	.177	.132
15192	DC.001	.001µF	50	6 x 2.5	✳	.067	.056	.028	.024
15231	DC.01	.01µF	50	6 x 2.5	✳	.067	.045	.033	.023
97377	DC.01/1K20	.01µF	1000	12 x 2.5	.23	.20	.133	.093	.073
332487	CD20000/1000	.02µF	1000	16 x 2.5	.60	.57	.33	.26	.185
15247	DC.022	.022µF	50	8 x 2.5	✳	.07	.063	.05	.037
15255	DC.047	.047µF	50	8 x 2.5	✳	.093	.083	.066	.049
332507	CD50000/1000 ⊕	.05µF	1000	16 x 2.5	1.35	1.28	.81	.65	.488
151118	DC.1/25	.1µF	25	6 x 2.5	.20	.155	.145	.089	.078
15272	DC.1	.1µF	50	8 x 2.5	.21	.167	.145	.128	.105
332516	CD100000/1000	.1µF	1000	21 x 2.5	1.99	1.83	1.07	.85	.81

Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
15333	DC10	10pF	50	5	✳	$.063	$.054	$.043	$.032
15405	DC22	22pF	50	6	✳	.076	.054	.027	.021
15341	DC100	100pF	50	5	✳	.05	.035	.025	.02
15413	DC220	220pF	50	5	✳	.046	.033	.023	.017
15528	DC470	470pF	50	5	✳	.08	.065	.025	.022
15190	DC.001	.001µF	50	6	✳	.06	.054	.043	.032

*Capacitor dimensions and styles may vary

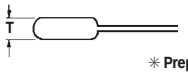
Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
15211	DC.0047	.0047µF	50	6	✳	$.045	$.032	$.027	$.02
15229	DC.01	.01µF	50	6	✳	.06	.04	.03	.02
97375	DC.01/1K20	.01µF	1000	12	.20	.146	.139	.111	.083
15245	DC.022	.022µF	50	8	✳	.063	.045	.036	.027
15253	DC.047	.047µF	50	8	✳	.084	.076	.06	.045
151116	DC.1/25	.1µF	25	6	.20	.15	.135	.115	.086
15270	DC.1	.1µF	50	8	.20	.153	.133	.117	.097

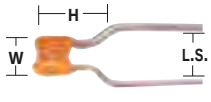
Monolithic Ceramic Capacitors (±10%) (XR7 Series)

JAMECO ValuePro — A Jameco Exclusive

Applications: • Data processing • Communications engineering

Operating temp. range: -10°C to +85°C





✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing 1	10	100	1000	5000
332583	MOC100/100	100pF	100	5.0x5.0x3.0x2.5	✳	$.14	$.12	$.081	$.061
332612	MOC470/100	470pF	100	5.0x5.0x3.0x2.5	✳	.121	.088	.08	.076
544825	SR151C102KAA	1000pF	100	3.8x2.5x3.8x5.1	✳	.087	.069	.043	.041
597281	SR211C103KAA	.01µF	100	3.8x2.5x3.8x5.1	✳	.118	.098	.046	.044
544833	SR151C103KAA	.01µF	100	3.8x2.5x3.8x5.1	✳	.103	.088	.054	.053
332647	MOC10000/100	.01µF	100	5.0x5.0x3.0x2.5	✳	.125	.09	.063	.06
544892	SR211C223KAA	.022µF	100	3.8x2.5x3.8x5.1	✳	.111	.10	.08	.06

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✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing 1	10	100	1000	5000
332655	MOC22000/100	.022µF	100	5.0x5.0x3.0x2.5	$.20	$.111	$.08	$.056	$.053
544905	SR211C333KAA	.033µF	100	3.8x2.5x3.8x5.1	✳	.142	.13	.105	.097
544913	SR211C473KAA	.047µF	100	3.8x2.5x3.8x5.1	✳	.142	.139	.11	.107
544921	SR215C104KAA	.1µF	50	3.8x2.5x3.8x5.1	✳	.111	.088	.057	.054
544884	SR211C104KAA	.1µF	100	3.8x2.5x3.8x5.1	✳	.127	.09	.068	.061
332672	MOC100000/100	.1µF	100	5.0x5.0x3.0x2.5	✳	.132	.096	.067	.064
544948	SR305C474KAA	.47µF	50	3.8x2.5x3.8x5.1	.46	.396	.24	.232	.224

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to **NewProducts@Jameco.com**.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Monolithic Ceramic Capacitors (±20%) (Z5U Series)

JAMECO ValuePro — EXCLUSIVE

For more ValuePro Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81543	MD10 ♻	10pF	50	3.5x2.0x3.0x2.5	✳	$.10	$.065	$.045	$.035
81535	MD22 ♻	22pF	50	4.0x2.0x4.0x2.5	✳	.105	.081	.05	.045
332559	MOC33/100 ♻	33pF	100	4.2x3.0x4.2x2.5	.25	.167	.122	.08	.076
81519	MD.001 ♻	.001µF	50	4.5x2.0x3.0x2.5	.20	.10	.078	.075	.068
25509	MD.01 ♻	.01µF	50	3.5x2.0x3.0x2.5	✳	.09	.06	.045	.041
57623	MD.047 ♻	.047µF	50	2.5x2.5x3.0x2.5	✳	.08	.07	.05	.039
544868	SR151C472KAA	.1µF	50	3.8x2.5x4.0x2.5	✳	.094	.06	.034	.032
Other Manufacturers — Great Deals*								Quantity SAVE	
81533	MD22	22pF	50	4.0x2.0x4.0	✳	$.066	$.044	$.033	$.025
81517	MD.001	.001µF	50	4.5x2.0x3.0	✳	.055	.041	.029	.026
25507	MD.01	.01µF	50	3.5x2.0x3.0	✳	.10	.067	.05	.045
57621	MD.047	.047µF	50	2.5x2.5x3.0	✳	.072	.063	.045	.034

*Capacitor dimensions and style may vary

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
25525	MD.1 ♻	.1µF	50	3.4x2.2x3.6x2.5	✳	$.078	$.067	$.044	$.039
25541	MD.22 ⊕	.22µF	50	6.0x2.0x4.5x2.5	.21	.189	.133	.089	.066
544930	SR215E334MAA	.33µF	50	3.8x2.5x3.8x5.1	.20	.174	.111	.087	.081
138239	MD.33 ♻	.33µF	50	6.0x2.0x8.0x2.5	✳	.178	.155	.122	.078
25560	MD.47 ♻	.47µF	50	4.5x2.5x4.5x2.5	.43	.39	.28	.21	.145
544956	SR305E105MAA	1µF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510	MD1 ⊕	1µF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233
Other Manufacturers — Great Deals*								Quantity SAVE	
25523	MD.1	.1µF	50	6.0x2.0x4.0	✳	$.07	$.06	$.04	$.035
25540	MD.22	.22µF	50	6.0x2.0x4.5	.20	.183	.166	.111	.10
138237	MD.33	.33µF	50	6.0x2.0x8.0	.20	.16	.141	.113	.084
25558	MD.47	.47µF	50	4.5x2.5x4.5	✳	.128	.109	.087	.065
81509	MD1	1µF	50	6.0x3.0x7.0	.30	.23	.161	.149	.112

Passives

SMT Electrolytic & Ceramic Capacitors

Aluminum Electrolytic Capacitors

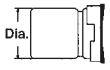
Operating Temperature Range: -55°C to +105°C

JAMECO ValuePro


Tape


Individual

Quantity SAVE — EXCLUSIVE



Side View


Bottom View

Leakage current (20°C) after 2 minutes	≤ .01CV or 3µA

For more ValuePro Capacitors visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610263	UWT1C100MCL1GB ♻	10	16	4.0	✳	$.116	$.108	$.098
608585	UUD1E330MCL1GS ♻	33	25	6.3	.52	.468	.374	.281

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
608569	UUD1E101MCL1GS ♻	100	25	6.3	$.68	$.65	$.61	$.539
608737	UUD1V101MNL1GS ♻	100	35	8.0	.53	.477	.382	.287
608471	UUD1A102MNL1GS ♻	1000	10	10.0	.75	.68	.61	.303

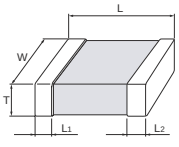
† **Cross Reference: Panasonic:** VS Series

Panasonic®

Multilayer Ceramic Chip Capacitors

For more Panasonic Capacitors visit www.Jameco.com

- Small in size and wide capacitance range
- Superior humidity characteristic and long life due to monolithic construction
- Excellent solderability and resistance to soldering heat
- Low self-inductance and excellent frequency characteristics



Size	L(mm)	W(mm)	L1/L2(mm)
0402	1	0.5	0.15
0603	1.6	0.8	0.3
0805	2	1.25	0.5

Temp. Coeff.	Range
NPO	-55°C to +125°C
X5R	-55°C to +85°C
X7R	-55°C to +125°C
F / Y5V	-30°C to +85°C

Size 0402

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
858453	ECJ-0EC1H680J ♻♠	NPO	68pF	50	±5%	★	Call/Web
919543	ECJ-0EB1E103K ♻♠	X7R	.01µF	25	±10%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

Size 0603

Mininum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	100
859181	ECJ-1VC1H330J ♻	NPO	33pF	50	±5%	$.03	$.021
859106	ECJ-1VC1H221J ♻♠	NPO	220pF	50	±5%	★	Call/Web
919754	ECJ-1VB1H102K ♻♠	X7R	1000pF	50	±10%	★	Call/Web
858779	ECJ-1VB1H332K ♻♠	X7R	3300pF	50	±10%	★	Call/Web
919789	ECJ-1VB1H103K ♻♠	X7R	10,000pF	50	±10%	★	Call/Web
919893	ECJ-1VB1H333K ♻♠	X7R	.033µF	50	±10%	★	Call/Web
919720	ECJ-1VB1E103K ♻♠	X7R	10,000pF	25	±10%	★	Call/Web
919666	ECJ-1VB1C104K ♻♠	X7R	.1µF	16	±10%	★	Call/Web
919691	ECJ-1VB1C105K ♻♠	X5R	1µF	16	±10%	★	Call/Web
919578	ECJ-1VB0J105K ♻♠	X5R	1µF	6.3	±10%	★	Call/Web
919631	ECJ-1VB0J475M ♻♠	X5R	4.7µF	6.3	±20%	★	Call/Web
920077	ECJ-1VF1H104Z ♻♠	Y5V	.1µF	50	+80/-20%	★	Call/Web
920042	ECJ-1VF1E104Z ♻	Y5V	.1µF	25	+80/-20%	.032	.021
920018	ECJ-1VF1A105Z ♻♠	Y5V	1µF	10	+80/-20%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

Size 0805

Mininum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	100
859739	ECJ-2VC1H470J ♻♠	NPO	47pF	50	±5%	★	Call/Web
920270	ECJ-2VC1H101J ♻♠	NPO	100pF	50	±5%	★	Call/Web
920237	ECJ-2VB1H103K ♻♠	X7R	10,000pF	50	±10%	★	Call/Web
920341	ECJ-2YB1H104K ♻♠	X7R	.1µF	50	±10%	★	Call/Web
920202	ECJ-2VB1E104K ♻♠	X7R	.1µF	25	±10%	★	Call/Web
920173	ECJ-2VB1C104K ♻♠	X7R	.1µF	16	±10%	★	Call/Web
859827	ECJ-2VF1H104Z ♻♠	Y5V	.1µF	50	+80/-20%	★	Call/Web
920157	ECJ-2FF1A106Z ♻	F	10µF	10	+80/-20%	.192	.141

★ Please call or visit our website for minimum order quantity and pricing.

We're Listening to Your Requests

Email us 24/7 at
NewProducts@Jameco.com
with suggestions for products you'd like to see in future catalogs.



♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

KEMET

EIA Size Code	Metric Size Code	Dimensions mm (in.) L = Length	W = width
0402	1005	1 (0.04)	0.5 (0.02)
0603	1608	1.6 (0.063)	0.8 (0.032)
0805	2012	2.0 (0.079)	1.25 (0.049)
1206	3216	3.2 (0.126)	1.6 (0.063)

Ceramic Chip Capacitors



For more KEMET SMT Ceramic Caps visit www.Jameco.com

Size 0402 COG (NPO)

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1564422	C0402C220J5GAC TU	22pF	5%	50V	$.014	$.008
1564511	C0402C330J5GAC TU	33pF	5%	50V	.014	.008
1564570	C0402C470J5GAC TU	47pF	5%	50V	.014	.008
1564140	C0402C101J5GAC TU	100pF	5%	50V	.014	.008

Size 0603 COG (NPO)

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1564713	C0603C100J5GAC TU	10pF	5%	50V	$.161	$.009
1565222	C0603C150J5GAC TU	15pF	5%	50V	.021	.012
1565329	C0603C180J5GAC TU	18pF	5%	50V	.021	.012
1565396	C0603C220J5GAC TU	22pF	5%	50V	.021	.012
1565601	C0603C270J5GAC TU	27pF	5%	50V	.021	.012
1565687	C0603C330J5GAC TU	33pF	5%	50V	.019	.011
1565767	C0603C390J5GAC TU	39pF	5%	50V	.021	.012
1565847	C0603C470J5GAC TU	47pF	5%	50V	.022	.012
1566049	C0603C680J5GAC TU	68pF	5%	50V	.021	.012
1564748	C0603C101J5GAC TU	100pF	5%	50V	.015	.008
1564756	C0603C101K5GAC TU	100pF	10%	50V	.015	.008
1565249	C0603C151J5GAC TU	150pF	5%	50V	.025	.014
1565417	C0603C221J5GAC TU	220pF	5%	50V	.027	.015
1565610	C0603C271J5GAC TU	270pF	5%	50V	.027	.015
1565863	C0603C471J5GAC TU	470pF	5%	50V	.027	.015
1564772	C0603C102J5GAC TU	1000pF	5%	50V	.013	.012

Size 0603 X7R

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1565880	C0603C471K5RAC TU	470pF	10%	50V	$.038	$.021
1564781	C0603C102J5RAC TU	1000pF	5%	50V	.019	.011
1564844	C0603C102K5RAC TU	1000pF	10%	50V	.012	.007
1565484	C0603C222K5RAC TU	2200pF	10%	50V	.015	.009
1565716	C0603C332K5RAC TU	3300pF	10%	50V	.023	.013
1566065	C0603C682K5RAC TU	6800pF	10%	50V	.026	.023
1564879	C0603C103K3RAC TU	10,000pF	10%	25V	.018	.01
1564861	C0603C103J5RAC TU	10,000pF	5%	50V	.018	.01
1564908	C0603C103K5RAC TU	10,000pF	10%	50V	.005	.004
1564932	C0603C103M5RAC TU	10,000pF	20%	50V	.018	.01
1565505	C0603C223K5RAC TU	22,000pF	10%	50V	.018	.01
1565935	C0603C473K4RAC TU	47,000pF	10%	16V	.068	.039
1565011	C0603C104K8RAC TU	100,000pF	10%	10V	.012	.007
1565054	C0603C104M4RAC TU	100,000pF	20%	16V	.012	.007
1564991	C0603C104K4RAC TU	100,000pF	10%	16V	.012	.009
1564975	C0603C104K3RAC TU	100,000pF	10%	25V	.068	.039

Size 0402 X5R

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1564289	C0402C104K8PAC TU	100,000pF	10%	10V	$.014	$.008

Size 0402 X7R

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1564182	C0402C102K5RAC TU	1000pF	10%	50V	$.011	$.006
1564246	C0402C103K4RAC TU	10,000pF	10%	16V	.011	.006
1564238	C0402C103K3RAC TU	10,000pF	10%	25V	.011	.006
1564254	C0402C103K5RAC TU	10,000pF	10%	50V	.014	.008

Size 0805 COG (NPO)

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1566170	C0805C100J5GAC TU	10pF	5%	50V	$.035	$.02
1566858	C0805C220J5GAC TU	22pF	5%	50V	.057	.032
1567156	C0805C330J5GAC TU	33pF	5%	50V	.032	.018
1567412	C0805C470J5GAC TU	47pF	5%	50V	.032	.018
1566209	C0805C101J5GAC TU	100pF	5%	50V	.057	.032
1566225	C0805C101K5GAC TU	100pF	10%	50V	.029	.016
1567172	C0805C331J5GAC TU	330pF	5%	50V	.032	.018

Size 0805 X7R

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1566321	C0805C102K5RAC TU	1000pF	10%	50V	$.019	$.011
1566284	C0805C102K1RAC TU	1000pF	10%	100V	.061	.035
1566997	C0805C222K5RAC TU	2200pF	10%	50V	.022	.012
1567527	C0805C472K5RAC TU	4700pF	10%	50V	.025	.014
1566348	C0805C103J5RAC TU	10,000pF	5%	50V	.029	.016
1566372	C0805C103K5RAC TU	10,000pF	10%	50V	.019	.011
1566399	C0805C103M5RAC TU	10,000pF	20%	50V	.019	.011
1566356	C0805C103K1RAC TU	10,000pF	10%	100V	.025	.014
1567017	C0805C223K5RAC TU	22,000pF	10%	50V	.034	.019
1567543	C0805C473K5RAC TU	47,000pF	10%	50V	.035	.02
1566436	C0805C104K3RAC TU	100,000pF	10%	25V	.026	.015
1566479	C0805C104K5RAC TU	100,000pF	10%	50V	.026	.014
1566495	C0805C104M5RAC TU	100,000pF	20%	50V	.026	.014
1566559	C0805C105K4RAC TU	1,000,000pF	10%	16V	.055	.032

Size 1206 X7R

Minimum order 100 pieces

Part No.	Product No.	Value	Capacitance Tolerance	Voltage	Pricing 100	Pricing 500
1568061	C1206C104K1RAC TU	100,000pF	10%	100V	$.142	$.08

Size 0603 Y5V

Minimum order 100 pieces

1565071	C0603C104Z3VAC TU	100,000pF	+80%, -20%	25V	$.011	$.006

Size 0805 Y5V

Minimum order 100 pieces

1566612	C0805C105Z4VAC TU	1,000,000pF	+80%, -20%	16V	$.055	$.032

Size 0805 Z5U

Minimum order 100 pieces

1566508	C0805C104M5UAC TU	100,000pF	20%	50V	$.034	$.019



30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

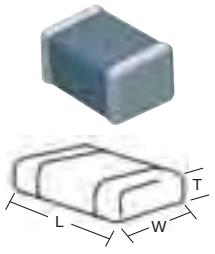
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AVX® Multilayer Ceramic Chip Capacitors

Size	0402 Case Size	0603 Case Size
Length (L)	1.0mm ±0.10mm (0.40" ±0.004")	1.60mm ±0.15mm (0.063" ±0.006")
Width (W)	0.5mm ±0.10mm (0.02" ±0.004")	0.81mm ±0.15mm (0.032" ±0.006")
Thickness (T)	0.5mm ±0.05mm (0.20" ±0.006")	0.80mm ±0.10mm (0.030" ±0.006")
Size	**0805 Case Size**	**1206 Case Size**
Length (L)	2.01mm ±0.20mm (0.790" ±0.008")	3.2mm ±0.20mm (0.126" ±0.008")
Width (W)	1.25mm ±0.20mm (0.049" ±0.008")	1.6mm ±0.20mm (0.063" ±0.008")
Thickness (T)	1.25mm ±0.20mm (0.020" ±0.010")	0.5mm ±0.25mm (0.020" ±0.100")

For more AVX Multilayer Ceramic Chip Capacitors visit www.Jameco.com

Temperature Coefficient:	C0G (NP0) = -55°C to +125°C X5R = -55°C to +85°C X7R = -55°C to +125°C Y5V = -30°C to +85°C Z5U = +10°C to +85°C



Size 0402

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	Pricing 100
734856	04025A470JAT2A ♻	NP0	47pF	50	5%	$.108	$.064
734813	04023A221JAT2A ♻ ♠	NP0	220pF	25	5%	★	Call/Web
734899	0402YC223KAT2A ♻ ♠	X7R	0.022µF	16	10%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

Size 0603

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	Pricing 100
765741	06031A180JAT2A ♻	NP0	18pF	100	5%	$.024	$.023
734979	06033A101JAT2A ♻	NP0	100pF	25	5%	.063	.057
735074	06035A101JAT2A ♻ ♠	NP0	100pF	50	5%	★	Call/Web
734987	06033A102JAT2A ♻ ♠	NP0	1000pF	25	5%	★	Call/Web
735091	06035A102JAT2A ♻ ♠	NP0	1000pF	50	5%	★	Call/Web
735648	0603YD474KAT2A ♻ ♠	X5R	.47µF	16	10%	★	Call/Web
735630	0603YD105KAT2A ♻ ♠	X5R	1µF	16	10%	★	Call/Web
734961	06031C471KAT2A ♻ ♠	X7R	470pF	100	10%	★	Call/Web
735533	0603YC102KAT2A ♻	X7R	1000pF	16	10%	.118	.098
735402	06035C222KAT2A ♻ ♠	X7R	2200pF	50	10%	★	Call/Web
766305	06035C822KAT2A ♻	X7R	8200pF	50	10%	.108	.064
735541	0603YC103KAT2A ♻ ♠	X7R	.01µF	16	10%	★	Call/Web
735550	0603YC104JAT2A ♻	X7R	.1µF	16	5%	.176	.127

★ Please call or visit our website for minimum order quantity and pricing.

Size 0805

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	Pricing 100
766735	08055A2R2CAT2A ♻	NP0	2.2pF	50	.25pF	$.075	$.068
766751	08055A3R3CAT2A ♻	NP0	3.3pF	50	.25pF	.075	.068
735867	08055A100JAT2A ♻ ♠	NP0	10pF	50	5%	★	Call/Web
735955	08055A180JAT2A ♻	NP0	18pF	50	5%	.098	.064
735971	08055A220JAT2A ♻	NP0	22pF	50	5%	.108	.064
735980	08055A220KAT2A ♻ ♠	NP0	22pF	50	10%	★	Call/Web
735699	08051A220JAT2A ♻	NP0	22pF	100	5%	.053	.045
736018	08055A270JAT2A ♻	NP0	27pF	50	5%	.098	.088
736026	08055A300JAT2A ♻	NP0	30pF	50	5%	.069	.062
736034	08055A330JAT2A ♻	NP0	33pF	50	5%	.098	.088
736042	08055A390JAT2A ♻	NP0	39pF	50	5%	.098	.088
736069	08055A470JAT2A ♻	NP0	47pF	50	5%	.098	.064
736085	08055A560JAT2A ♻	NP0	56pF	50	5%	.098	.064
736106	08055A680JAT2A ♻	NP0	68pF	50	5%	.098	.064
766663	08055A101JAT4A ♻	NP0	100pF	50	5%	.043	.039
735947	08055A151JAT2A ♻	NP0	150pF	50	5%	.088	.064
766698	08055A181JAT2A ♻	NP0	180pF	50	5%	.074	.067
735998	08055A221JAT2A ♻	NP0	220pF	50	5%	.088	.069
735728	08051A331JAT2A ♻	NP0	330pF	100	5%	.108	.098
736051	08055A391JAT2A ♻	NP0	390pF	50	5%	.157	.147
736093	08055A561JAT2A ♻	NP0	560pF	50	5%	.162	.096
736122	08055A821JAT2A ♻	NP0	820pF	50	5%	.162	.096
735921	08055A122JAT2A ♻	NP0	1200pF	50	5%	.134	.121
736131	08055C101KAT2A ♻ ♠	X7R	100pF	50	10%	★	Call/Web
766807	08055C102KAT4A ♻	X7R	1000pF	50	10%	.029	.026
736245	08055C222KAT2A ♻ ♠	X7R	2200pF	50	10%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

Size 0805 (Continued)

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	Pricing 100
736165	08055C103JAT2A ♻ ♠	X7R	.01µF	50	5%	★	Call/Web
735752	08051C103JAT2A ♻	X7R	.01µF	100	5%	.10	.088
735832	08053C104KAT2A ♻	X7R	.1µF	25	10%	.072	.065
736190	08055C104JAT2A ♻	X7R	.1µF	50	5%	.137	.119
766903	0805YG105ZAT2A/2K REELS	Y5V	1µF	16	+80/-20%	.025	.024
735859	08053G105ZAT2A ♻	Y5V	1µF	25	+80/-20%	.147	.11
736350	08055E104MAT2A ♻ ♠	Z5U	.1µF	50	20%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

Size 1206

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing 10	Pricing 100
740156	12061A221JAT2A ♻	NP0	220pF	100	5%	$.228	$.216
740412	12065A332JAT2A ♻ ♠	NP0	3300pF	50	5%	★	Call/Web
740439	12065C102KAT2A ♻ ♠	X7R	1000pF	50	10%	★	Call/Web
740228	12061C102JAT2A ♻	X7R	1000pF	100	5%	.059	.057
740535	12065C472KAT2A ♻	X7R	4700pF	50	10%	.099	.091
740578	12065C682JAT2A ♻ ♠	X7R	6800pF	50	5%	★	Call/Web
740463	12065C104JAT2A ♻	X7R	.1µF	50	5%	.069	.066
740480	12065C104MAT2A ♻ ♠	X7R	.1µF	50	20%	★	Call/Web
740560	12065C474KAT2A ♻ ♠	X7R	.47µF	50	10%	★	Call/Web
740658	1206YC105KAT2A ♻ ♠	X7R	1µF	16	10%	★	Call/Web
740720	1206ZC225KAT2A ♻ ♠	X7R	2.2µF	10	10%	★	Call/Web
740738	1206ZG106ZAT2A ♻ ♠	Y5V	10µF	10	+80/-20%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

JAMECO ValuePro

8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

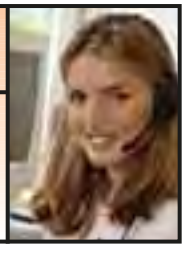
- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40~200 g-cm
- Operating temperature range: -55˚C~+85˚C
- Insulation resistance: 10MΩ minimum @ 250VDC
- Q Factor @ 1MHz: P/Ns **134820/32839:** >300; P/Ns **32855/94466:** >200



Part No.	Capacitance Range (pF)	Color Code	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
134820	3.5–13.0 ♻	Ivory	$.49	$.39	$.39	$.36
32839	4.0–34.0 ♻	Yellow	1.15	.98	.90	.68
32855	6.0–70.0 ♻	None	.94	.79	.73	.69
94466	8.5–120 ♻	None	1.25	.98	.81	.74

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

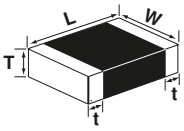


♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Multilayer Ceramic Chip Capacitors

Quantity SAVE



EXCLUSIVE

For more ValuePro Capacitors visit www.Jameco.com

SMT Case Dimensions (mm)

	0603	0805	1206	1210
L	1.6	2.0	3.2	3.2
W	0.81	1.25	1.6	2.5
T	1.02	0.065	1.55	1.02
t	0.35	0.25	0.5	0.5

X7R Series (±10%)

JAMECO ValuePro 0603 SMT

Part No.	Capacitance	Volt.	Pricing per each* 10	100	500	1000
544091	♻ .1µF	16	$.064	$.042	$.025	$.018

0805 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544323	♻ 1000pF	50	$.024	$.017	$.015	$.014
87313	♻ ✪ .01µF	50	.048	.029	.017	.01
544331	♻ .01µF	50	.057	.051	.041	.031
87372	♻ .1µF	25	.09	.06	.05	.04
544340	♻ .1µF	50	.087	.051	.03	.021
Other Manufacturers — Great Deals						
87370	.1µF	25	$.036	$.022	$.018	$.014

✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro 1206 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
87390	♻ .1µF	50	$.084	$.055	$.038	$.037
544665	♻ 1µF	25	.296	.177	.102	.077
Other Manufacturers — Great Deals						
87329	⊕ .01µF	50	$.081	$.054	$.034	$.024
87388	.1µF	50	.049	.029	.019	.016
651410	.47µF	50	.205	.111	.073	.055
651428	1µF	25	.182	.105	.073	.066

* Prepackaged: please order in quantity increments shown

X5R Series (±10%)

Other Manufacturers — Great Deals

0805 SMT

Part No.	Capacitance	Volt.	Pricing per each* 10	100	500	1000
650513	1µF	16	$.272	$.161	$.093	$.064
650564	4.7µF	10	.321	.232	.126	.095

1206 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
651461	4.7µF	25	$.455	$.387	$.31	$.233

1210 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
651760	47µF	6.3	$1.67	$1.42	$1.13	$.85

NPO Temp Series (±5%)

Other Manufacturers — Great Deals

0805 SMT

Part No.	Capacitance	Volt.	Pricing per each* 10	100	500	1000
650011	22pF	50	$.07	$.046	$.026	$.018

1206 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
650863	47pF	50	$.158	$.131	$.08	$.06

Y5V Series (+80%, -20%)

Other Manufacturers — Great Deals

1206 SMT

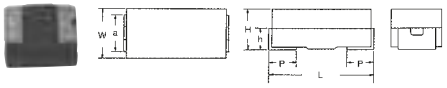
Part No.	Capacitance	Volt.	Pricing per each* 10	100	500	1000
651575	1µF	50	$.27	$.243	$.194	$.146
651604	10µF	10	.077	.07	.056	.042

Z5U Series (±20%)

JAMECO ValuePro 1206 SMT

Part No.	Capacitance	Volt.	Pricing per each* 100	500	1000	5000
87222	47µF	50	$.25	$.225	$.198	$.171

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)



Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0

For more ValuePro Capacitors visit www.Jameco.com

JAMECO ValuePro 16V SMT

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
545140	♻ 10µF	B	$.136	$.122	$.098	$.084
545300	♻ 22µF	C	.60	.53	.48	.46
545449	♻ 100µF	D	1.90	1.81	1.69	1.58

35V SMT

Part No.	Capacitance	Case Size	10	100	500	1000
545351	♻ 22µF	D	$1.32	$1.17	$.95	$.85

* Prepackaged: please order in quantity increments shown

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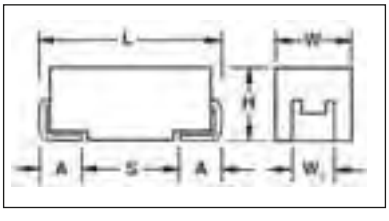


AVX® TPS Series Low ESR Tantalum Chip Capacitors

- Low ESR levels previously only seen by other technologies
- Capacitance tolerance: 10%, 20%
- Temperature range: -55°C to 125°C

For more AVX Tantalum Capacitors visit www.Jameco.com





Case	EIA Code	L	W	H	W1	A	S (min.)
C	6032-28	6mm (0.236")	3.2mm (0.126")	2.6mm (0.102")	2.2mm (0.087")	1.3mm (0.051")	2.9mm (0.114")
D	7343-31	7.3mm (0.287")	4.3mm (0.169"0	2.9mm (0.114")	2.4mm (0.094")	1.3mm (0.051")	4.4mm (0.173")
E	7343-43	7.3mm (0.287")	4.3mm (0.169")	4.1mm (0.162")	2.4mm (0.094")	1.3mm (0.051")	4.4mm (0.173")

Part No.	Product No.	Case	Value	Voltage	Tolerance	Pricing	
852650	TPSC106M025R0500 ♻ ♠	C	10µF	25	20%	★	Call/Web
768618	TPSC336K016R0300 ♻ ♠	C	33µF	16	10%	★	Call/Web
768626	TPSC476K010R0350 ♻ ♠	C	47µF	10	10%	★	Call/Web
852676	TPSC107K006R0150 ♻ ♠	C	100µF	6.3	10%	★	Call/Web
852705	TPSC107M006R0150 ♻ ♠	C	100µF	6.3	20%	★	Call/Web
768589	TPSC107M010R0100 ♻ ♠	C	100µF	10	20%	★	Call/Web
852781	TPSD106K035R0300 ♻ ♠	D	10µF	35	10%	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

These products are sold on Tape and Reel

Part No.	Product No.	Case	Value	Voltage	Tolerance	1	10
852801	TPSD106M035R0300 ♻ ♠	D	10µF	35	20%	★	Call/Web
852932	TPSD226M025R0200 ♻ ♠	D	22µF	25	20%	★	Call/Web
852975	TPSD336M020R0200 ♻ ♠	D	33µF	20	20%	★	Call/Web
852828	TPSD107K016R0150 ♻ ♠	D	100µF	16	10%	★	Call/Web
853126	TPSE227M010R0100 ♻ ♠	E	220µF	10	20%	★	Call/Web
853249	TPSE477M010R0050 ♻	E	470µF	10	20%	2.39	2.13

★ Please call or visit our website for minimum order quantity and pricing.

www.Jameco.com

For additional SMT Ceramic & Tantalum Chip Capacitors, visit our website today.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

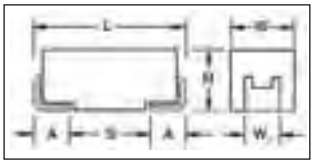
AVX® TAJ Series 125°C Standard Tantalum Chip Capacitors



The TAJ standard series encompasses the five key sizes recognized by major OEMs. The operational temperature is -55°C to 85°C at rated voltage and up to 125°C with voltage derated to 33%.

For more AVX Tantalum Capacitors visit www.Jameco.com

Case	EIA Code	L	W	H	W1	A	S (min.)
A	3216-18	3.2mm (0.126")	1.6mm (0.063")	1.6mm (0.063")	1.2mm (0.047")	0.8mm (0.031")	1.1mm (0.043")
B	3528-21	3.5mm (0.138")	2.8mm (0.110")	1.9mm (0.075")	2.2mm (0.087")	0.8mm (0.031")	1.4mm (0.055")
C	6032-28	6mm (0.236")	3.2mm (0.126")	2.6mm (0.102")	2.2mm (0.087")	1.3mm (0.051")	2.9mm (0.114")
D	7343-31	7.3mm (0.287")	4.3mm (0.169"0	2.9mm (0.114")	2.4mm (0.094")	1.3mm (0.051")	4.4mm (0.173")
E	7343-43	7.3mm (0.287")	4.3mm (0.169")	4.1mm (0.162")	2.4mm (0.094")	1.3mm (0.051")	4.4mm (0.173")



Minimum order 10 pieces

Part No.	Product No.	Case	Value	Voltage	Tolerance	10	100
850161	TAJA105M016R-CT ♻ ✪	A	1µF	16	20%	$.074	$.071
850371	TAJA225K010R ♻ ♠	A	2.2µF	10	10%	★	Call
850531	TAJA475M010R ♻ ♠	A	4.7µF	10	20%	★	Call
850494	TAJA475K016R ♻ ♠	A	4.7µF	16	10%	★	Call
850558	TAJA475M016R ♻ ♠	A	4.7µF	16	20%	★	Call
850523	TAJA475K020R ♻ ♠	A	4.7µF	20	10%	★	Call
850259	TAJA106M006R ♻ ♠	A	10µF	6.3	20%	★	Call
850224	TAJA106K016R-CT ♻ ✪	A	10µF	16	10%	.34	.32
850347	TAJA106M016R ♻ ♠	A	10µF	16	20%	★	Call
850460	TAJA226K010R ♻ ♠	A	22µF	22	10%	★	Call
850646	TAJB105M035R ♻ ♠	B	1µF	35	20%	★	Call
850873	TAJB225K020R ♻ ♠	B	2.2µF	20	10%	★	Call
850902	TAJB225K025R ♻ ♠	B	2.2µF	25	10%	★	Call
851104	TAJB475K010R ♻ ♠	B	4.7µF	10	10%	★	Call
851198	TAJB475M010R ♻ ♠	B	4.7µF	10	20%	★	Call
851227	TAJB475M016R ♻ ♠	B	4.7µF	16	20%	★	Call
850671	TAJB106K006R ♻ ♠	B	10µF	6.3	10%	★	Call
850734	TAJB106M006R ♻ ♠	B	10µF	6.3	20%	★	Call
850793	TAJB106M010R ♻ ♠	B	10µF	10	20%	★	Call
850849	TAJB106M020R ♻ ♠	B	10µF	20	20%	★	Call
850961	TAJB226K006R ♻ ♠	B	22µF	6.3	10%	★	Call
850996	TAJB226K010R ♻ ♠	B	22µF	10	10%	★	Call
851024	TAJB226M010R ♻ ♠	B	22µF	10	20%	★	Call
851059	TAJB226M016R ♻ ♠	B	22µF	16	20%	★	Call
851243	TAJB476K006R ♻ ♠	B	47µF	6	10%	★	Call
851307	TAJB686K006R ♻ ♠	B	68µF	6.3	10%	★	Call
851340	TAJC105K050R ♻ ♠	C	1µF	50	10%	★	Call
851614	TAJC475K025R ♻ ♠	C	4.7µF	25	10%	★	Call
851631	TAJC475K035R ♻ ♠	C	4.7µF	35	10%	★	Call
851366	TAJC106K010R ♻ ♠	C	10µF	10	10%	★	Call

Minimum order 10 pieces

Part No.	Product No.	Case	Value	Voltage	Tolerance	10	100
851382	TAJC106K025R-CT ♻ ✪	C	10µF	25	10%	$.45	$.39
851403	TAJC106M025R ♻ ♠	C	10µF	25	20%	★	Call
851489	TAJC226K010R ♻ ♠	C	22µF	10	10%	★	Call
851542	TAJC226M016R ♻ ♠	C	22µF	16	20%	★	Call
768360	TAJC226K025R ♻ ♠	C	22µF	25	10%	★	Call
851551	TAJC336K010R ♻ ♠	C	33µF	10	10%	★	Call
851577	TAJC336K016R ♻ ♠	C	33µF	16	10%	★	Call
851673	TAJC476K010R ♻ ♠	C	47µF	10	10%	★	Call
851420	TAJC107K006R ♻ ♠	C	100µF	6	10%	★	Call
851446	TAJC107K010R ♻♠	C	100µF	10	10%	★	Call
851876	TAJD225K050R ♻♠	D	2.2µF	50	10%	★	Call
768458	TAJD685K035R ♻♠	D	6.8µF	35	10%	★	Call
851702	TAJD106M025R ♻♠	D	10µF	25	20%	★	Call
851711	TAJD106M035R ♻♠	D	10µF	35	20%	★	Call
851850	TAJD156K025R ♻♠	D	15µF	25	10%	★	Call
851892	TAJD226K016R ♻♠	D	22µF	16	10%	★	Call
851930	TAJD226M016R ♻♠	D	22µF	16	20%	★	Call
851956	TAJD226M020R ♻♠	D	22µF	20	20%	★	Call
851999	TAJD336K016R ♻♠	D	33µF	16	10%	★	Call
852035	TAJD336M016R ♻♠	D	33µF	16	20%	★	Call
852078	TAJD476K010R ♻♠	D	47µF	10	10%	★	Call
852131	TAJD476M010R ♻♠	D	47µF	10	20%	★	Call
852140	TAJD476M016R ♻♠	D	47µF	16	20%	★	Call
852094	TAJD476K020R ♻♠	D	47µF	20	10%	★	Call
852182	TAJD686K016R ♻♠	D	68µF	16	10%	★	Call
851753	TAJD107K010R ♻♠	D	100µF	10	10%	★	Call
851770	TAJD107K016R ♻♠	D	100µF	16	10%	★	Call
851833	TAJD107M016R ♻♠	D	100µF	16	20%	★	Call
852203	TAJE107K016R ♻♠	E	100µF	16	10%	★	Call

★ Please call or visit our website for minimum order quantity and pricing. ✪ Blue Part No. = Limited Quantity Available

Resistors

5-Watt Wirewound Resistors (5%)

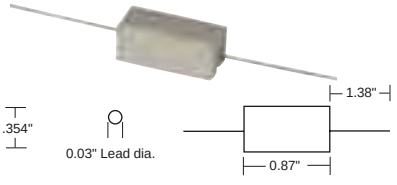
For more Xicon Wirewound Resistors visit www.Jameco.com

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part no. adjacent to Ω in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	$.39	$.294	$.236	$.212	$.189

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956	♻ 0.10	660041	♻ 0.47	660201	♻ 2.0	660359	♻ 8.2	660480	♻ 27	660631	♻ 120	660789	♻ 470	661010	♻ 4.7k
659964	♻ 0.15	660050	♻ 0.50	660244	♻ 3.0	660375	♻ 10	660498	♻ 30	660674	♻ 180	660797	♻ 500	661028	♻ 5.0k
659972	♻ 0.20	660092	♻ 0.68	660279	♻ 4.0	660412	♻ 15	660501	♻ 33	660682	♻ 200	660877	♻ 1.0k	661036	♻ 10k
659981	♻ 0.22	660130	♻ 1.0	660287	♻ 4.7	660447	♻ 20	660551	♻ 50	660746	♻ 330	660957	♻ 2.2k	661044	♻ 20k
660017	♻ 0.33	660172	♻ 1.5	660295	♻ 5.0	660455	♻ 22	660623	♻ 100	660762	♻ 390	660990	♻ 3.3k	661052	♻ 25k
660025	♻ 0.39	660199	♻ 1.8												

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

1/4-Watt Carbon Film Resistors (±5%)

For more Film Resistors visit www.Jameco.com



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	2000
(see Standard Resistor Values Chart below)	$.01	$.009	$.008	$.007

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Description (Including bulk pack values)	1	10	25
10720	5 ea. 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.) ♻	$9.95	$8.95	$7.95
103166	10 ea. 24 values marked (●) & 50 ea. 6 values marked (✖) (540 pcs.) ♻	12.95	11.49	9.95
10664	100 ea. 27 values marked (▲) (2,700 pcs.) ♻	24.95	22.49	20.49
81832	1/4-watt resistor component cabinet kit – 30 values (540 pcs.), pg 81	31.59	28.19	25.41

✖▲● see above

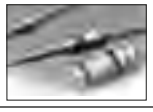
Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	♻ 2.2	690427	♻ 15	690620 ▲✖	♻ 100	690822 ▲●	♻ 680	691024 ▲✖	♻ 4.7k	691227 ▲●	♻ 33k	691420	♻ 220k	691622	♻ 1.5M
690224	♻ 2.4	690435	♻ 16	690638	♻ 110	690831	♻ 750	691032 ▲●	♻ 5.1k	691235	♻ 36k	691438	♻ 240k	691631	♻ 1.6M
690232	♻ 2.7	690443	♻ 18	690646	♻ 120	690849	♻ 820	691041 ▲●	♻ 5.6k	691243	♻ 39k	691446	♻ 270k	691892	♻ 1.8M
690241	♻ 3.0	690451	♻ 20	690654	♻ 130	690857	♻ 910	691059	♻ 6.2k	691251	♻ 43k	691454	♻ 300k	691649	♻ 2.0M
690259	♻ 3.3	690460	♻ 22	690662 ▲●	♻ 150	690865 ▲✖	♻ 1.0k	691067	♻ 6.8k	691260 ▲●	♻ 47k	691462	♻ 330k	691657	♻ 2.2M
690267	♻ 3.6	690478	♻ 24	690671	♻ 160	690873	♻ 1.1k	691075	♻ 7.5k	691278	♻ 51k	691471	♻ 360k	691665	♻ 2.4M
690275	♻ 3.9	690486	♻ 27	690689	♻ 180	690881 ●	♻ 1.2k	691083	♻ 8.2k	691286	♻ 56k	691489	♻ 390k	691673	♻ 2.7M
690283	♻ 4.3	690494	♻ 30	690697	♻ 200	690890	♻ 1.3k	691091	♻ 9.1k	691294	♻ 62k	691497	♻ 430k	691681	♻ 3.0M
690291	♻ 4.7	690507	♻ 33	690700 ▲✖	♻ 220	690902 ▲●	♻ 1.5k	691104 ▲✖	♻ 10k	691307	♻ 68k	691500 ▲●	♻ 470k	691690	♻ 3.3M
690304	♻ 5.1	690515	♻ 36	690718	♻ 240	690911	♻ 1.6k	691112	♻ 11k	691315	♻ 75k	691518	♻ 510k	691702	♻ 3.6M
690312	♻ 5.6	690523	♻ 39	690726 ▲●	♻ 270	690929	♻ 1.8k	691121	♻ 12k	691323	♻ 82k	691526	♻ 560k	691711	♻ 3.9M
690321	♻ 6.2	690531	♻ 43	690734	♻ 300	690937 ▲●	♻ 2.0k	691139	♻ 13k	691331	♻ 91k	691534	♻ 620k	691737	♻ 4.7M
690339	♻ 6.8	690540 ▲●	♻ 47	690742 ▲●	♻ 330	690945 ▲●	♻ 2.2k	691147 ▲●	♻ 15k	691340 ▲✖	♻ 100k	691542	♻ 680k	691745	♻ 5.1M
690347	♻ 7.5	690558	♻ 51	690751	♻ 360	690953	♻ 2.4k	691155	♻ 16k	691358	♻ 110k	691551	♻ 750k	691753	♻ 5.6M
690363	♻ 8.2	690566	♻ 56	690769 ●	♻ 390	690961 ▲●	♻ 2.7k	691163	♻ 18k	691366	♻ 120k	691569	♻ 820k	691761	♻ 6.2M
690371	♻ 9.1	690574	♻ 62	690777	♻ 430	690970	♻ 3.0k	691171 ●	♻ 20k	691374	♻ 130k	691577	♻ 910k	691770	♻ 6.8M
690380 ▲●	♻ 10	690582	♻ 68	690785 ▲●	♻ 470	690988 ▲●	♻ 3.3k	691180 ▲●	♻ 22k	691382	♻ 150k	691585 ▲●	♻ 1.0M	691788	♻ 7.5M
690398	♻ 11	690591	♻ 75	690793	♻ 510	690996	♻ 3.6k	691198	♻ 24k	691391	♻ 160k	691593	♻ 1.1M	691796	♻ 8.2M
690401	♻ 12	690603	♻ 82	690806	♻ 560	691008	♻ 3.9k	691201	♻ 27k	691403	♻ 180k	691606	♻ 1.2M	691809	♻ 9.1M
690419	♻ 13	690611	♻ 91	690814	♻ 620	691016	♻ 4.3k	691219	♻ 30k	691411	♻ 200k	691614	♻ 1.3M	691817 ▲●	♻ 10M

1/4-Watt Metal Film Leaded Resistors (±1%)

For more KOA Film Resistors visit www.Jameco.com

- Semi precision metal film resistors
- Suitable for automatic machine insertion
- Marking: blue/gray body color with color coded bands
- Size: (L) 0.248"; (C) 0.280"; (D) 0.091"; (d) 0.024"; (I) 1.18"

NEW

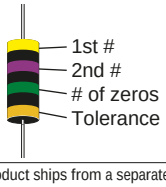




Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	2000
(see Resistor Values Chart below)	$.023	$.020	$.018	$.016

Part No.	Product No.	Ohms	Part No.	Product No.	Ohms	Part No.	Product No.	Ohms	Part No.	Product No.	Ohms
1867685	MF1/4DCT52R10R0F ♠	10	1867773	MF1/4DCT52R1501F ♠	1.5k	1867706	MF1/4DCT52R1152F ♠	11.5k	1867642	MF1/4DCT52R1003F ♠	100k
1868151	MF1/4DCT52R33R2F ♠	33.2	1867853	MF1/4DCT52R1821F ♠	1.82k	1867781	MF1/4DCT52R1502F ♠	15k	1867669	MF1/4DCT52R1053F ♠	105k
1868282	MF1/4DCT52R47R5F ♠	47.5	1867896	MF1/4DCT52R2001F ♠	2k	1867802	MF1/4DCT52R1542F ♠	15.4k	1867714	MF1/4DCT52R1183F ♠	118k
1868451	MF1/4DCT52R68R1F ♠	68.1	1867968	MF1/4DCT52R2371F ♠	2.37k	1867837	MF1/4DCT52R1742F ♠	17.4k	1867722	MF1/4DCT52R1203F ♠	120k
1868493	MF1/4DCT52R82R5F ♠	82.5	1867992	MF1/4DCT52R2491F ♠	2.49k	1867861	MF1/4DCT52R1822F ♠	18.2k	1867731	MF1/4DCT52R1213F ♠	121k
1868506	MF1/4DCT52R90R9F ♠	90.9	1868063	MF1/4DCT52R2871F ♠	2.87k	1867888	MF1/4DCT52R1872F ♠	18.7k	1867749	MF1/4DCT52R1273F ♠	127k
1867618	MF1/4DCT52R1000F ♠	100	1868071	MF1/4DCT52R3011F ♠	3.01k	1867941	MF1/4DCT52R2212F ♠	22.1k	1867765	MF1/4DCT52R1331F ♠	133k
1867933	MF1/4DCT52R2210F ♠	221	1868119	MF1/4DCT52R3161F ♠	3.16k	1867976	MF1/4DCT52R2372F ♠	23.7k	1867790	MF1/4DCT52R1503F ♠	150k
1867950	MF1/4DCT52R2370F ♠	237	1868178	MF1/4DCT52R3481F ♠	3.48k	1868004	MF1/4DCT52R2492F ♠	24.9k	1867811	MF1/4DCT52R1623F ♠	162k
1867984	MF1/4DCT52R2490F ♠	249	1868215	MF1/4DCT52R3921F ♠	3.92k	1868039	MF1/4DCT52R2552F ♠	25.5k	1867829	MF1/4DCT52R1650F ♠	165k
1868021	MF1/4DCT52R2550F ♠	255	1868266	MF1/4DCT52R4751F ♠	4.75k	1868047	MF1/4DCT52R2672F ♠	26.7k	1867845	MF1/4DCT52R1743F ♠	174k
1868055	MF1/4DCT52R2740F ♠	274	1868291	MF1/4DCT52R4871F ♠	4.87k	1868080	MF1/4DCT52R3012F ♠	30.1k	1867917	MF1/4DCT52R2053F ♠	205k
1868098	MF1/4DCT52R3090F ♠	309	1868320	MF1/4DCT52R4991F ♠	4.99k	1868101	MF1/4DCT52R3092F ♠	30.9k	1867925	MF1/4DCT52R2153F ♠	215k
1868160	MF1/4DCT52R3480F ♠	348	1868338	MF1/4DCT52R5111F ♠	5.11k	1868135	MF1/4DCT52R3242F ♠	32.4k	1868012	MF1/4DCT52R2493F ♠	249k
1868207	MF1/4DCT52R3920F ♠	392	1868354	MF1/4DCT52R5491F ♠	5.49k	1868143	MF1/4DCT52R3322F ♠	33.2k	1868127	MF1/4DCT52R3163F ♠	316k
1868240	MF1/4DCT52R4530F ♠	453	1868371	MF1/4DCT52R5621F ♠	5.62k	1868186	MF1/4DCT52R3482F ♠	34.8k	1868231	MF1/4DCT52R4323F ♠	432k
1868311	MF1/4DCT52R4990F ♠	499	1868389	MF1/4DCT52R5761F ♠	5.76k	1868194	MF1/4DCT52R3742F ♠	37.4k	1868258	MF1/4DCT52R4533F ♠	453k
1868434	MF1/4DCT52R6810F ♠	681	1868400	MF1/4DCT52R6041F ♠	6.04k	1868223	MF1/4DCT52R4022F ♠	40.2k	1868303	MF1/4DCT52R4873F ♠	487k
1868469	MF1/4DCT52R7500F ♠	750	1868418	MF1/4DCT52R6191F ♠	6.19k	1868274	MF1/4DCT52R4752F ♠	47.5k	1868346	MF1/4DCT52R5363F ♠	536k
1868485	MF1/4DCT52R8250F ♠	825	1868426	MF1/4DCT52R6341F ♠	6.34k	1868362	MF1/4DCT52R5492F ♠	54.9k	1867651	MF1/4DCT52R1004F ♠	1M
1867626	MF1/4DCT52R1001F ♠	1k	1868477	MF1/4DCT52R7501F ♠	7.5k	1868397	MF1/4DCT52R5762F ♠	57.6k	1867870	MF1/4DCT52R1824F ♠	1.82M
1867693	MF1/4DCT52R1101F ♠	1.1k	1867634	MF1/4DCT52R1002F ♠	10k	1868442	MF1/4DCT52R6812F ♠	68.1k	1867909	MF1/4DCT52R2004F ♠	2M
1867757	MF1/4DCT52R1301F ♠	1.3k	1867677	MF1/4DCT52R1072F ♠	10.7k						

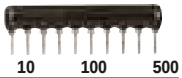
Resistor Color Code



1st & 2nd Band	3rd Band		4th Band
0 - Black	Black	1	Brown - ±1%
1 - Brown	Brown	10	
2 - Red	Red	100	Gold - ±5%
3 - Orange	Orange	1,000	
4 - Yellow	Yellow	10,000	Silver - ±10%
5 - Green	Green	100,000	
6 - Blue	Blue	1,000,000	
7 - Violet	Silver	0.01	No Band - ±20%
8 - Gray	Gold	0.1	
9 - White			

1/8-Watt Resistor Networks (±2%)

- 10-pin SIP
- Common circuit
- Operating temp.: -55˚C to 125˚C
- Max. working voltage: 100V



NEW

Part No.	Product No.	Value (Ω)	1	10	100	500
280583	226-22	22	$.26	$.23	$.16	$.14
280947	266-10k-RC ♻	10k	.26	.23	.16	.14
281076	226-100k	100k	.26	.23	.16	.14

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

1/2-Watt Carbon Film Resistors (±5%)

For more Film Resistors visit www.Jameco.com



Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	2000
(see Standard Resistor Values Chart below)	$.034	$.023	$.017	$.016

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing 1	Pricing 10
107853	ASST1230	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked by # (540 pcs.)	$15.69	$14.17
107845	ASST1227	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107837	ASST1270	—	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.) (see chart below)	10.95	9.95
107879	CAB12R	—	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 81	29.95	26.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	1.0	659817 ✓✗	10	661204	56	661343 ✓#	220	661474	750	661634 ✓✗	3.3k	661829	20k	662098	270k
659593	1.2	659833	12	661212	62	661351	240	661482	820	661651	3.9k	661837 ✓✗	22k	662119	330k
659614	1.5	659850	15	661221	68	661360 ✓✗	270	661503 ✓#	1.0k	661677 ✓#	4.7k	661853 ✗	27k	662135	390k
659631	1.8	659884	20	661239	75	661378	300	661520	1.2k	661685 ✓✗	5.1k	661870 ✓✗	33k	662151 ✓✗	470k
659657	2.2	659892	22	661247	82	661386 ✓✗	330	661546 ✓✗	1.5k	661693 ✓✗	5.6k	661917 ✓✗	47k	662194	680k
659673	2.7	661124	27	661255	91	661407 ✗	390	661554	1.6k	661714 ✗	6.8k	661933	56k	662231 ✓✗	1.0M
659737	4.7	661132	30	661263 ✓#	100	661423 ✓✗	470	661562	1.8k	661731	8.2k	661950	68k	662258	1.2M
659745	5.1	661141	33	661280	120	661431	510	661571 ✓✗	2.0k	661757 ✓#	10k	661976	82k	662311	2.2M
659770	6.8	661167	39	661301 ✓✗	150	661440	560	661589 ✓✗	2.2k	661773	12k	661992 ✓#	100k	662354	3.3M
659796	8.2	661183 ✓✗	47	661327	180	661458	620	661600 ✓✗	2.7k	661790 ✓✗	15k	662039	150k	662397	4.7M
659809	9.1	661191	51	661335	200	661466 ✓✗	680	661618	3.0k	661811	18k	662071	220k	662477 ✓✗	10M

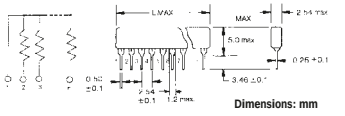
(✓), (✗), (#) symbols indicate Resistor values included in Assortments above.

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bussed (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- **8-pin package (7 resistors) = 8BRN**
  10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.20" body ht.)
- Low profile is compatible with DIPs
- Cermet thick film construction





Pricing per each			
1	10	100	1000
$.25	$.19	$.15	$.12
Pricing for P/N 97826			
$.24	$.18	$.14	$.11

Part No.	Pins	Ohms
97826	8	10k
97851	10	330
97869	10	470
97877	10	1.0k
97893	10	2.2k
24660	10	4.7k
24643	10	10k
98095	10	100k

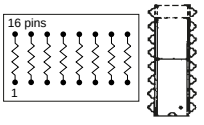
Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%



Features (16IRN):

- Tolerance: ±2%
- Max. operating voltage: 100V
- Temperature coefficient:±100ppm/°C
- Operating temp.:-55°C to +125°C
- Insulation res.: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation



Pricing per each			
1	10	100	1000
$.39	$.35	$.31	$.30

Part No.	Ohms
108556	100
108564	220
108572	330
108581	470
108599	1.0k
108610	4.7k
108628	10k

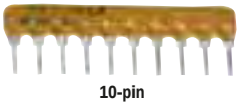
SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A – B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN…	770-81-R…	708A…	4608X-101…	CSC08A01…	L08-1-R…	356CF… X2PD	9S08… GL002
10BRN…	770-101-R…	710A…	4610X-101…	CSC10A01…	L10-1-R…	256CX … X2PD	9S10… GL002
16IRN…	761-3-R…	316B…	4116R-001…	MDP16-03…	898-3-R…	916C… X5SR	D16H… 12-J

Bourns® 4600 Series Conformal SIP Resistors

- Max. operating voltage: 100V
- Operating temp.: -55°C to 125°C
- Tolerance: 10Ω to 49Ω: ±1Ω; 50Ω to 5MΩ: ±2%
- Dielectric withstanding voltage: 200V_{RMS}
- UL94V-0 flammability rating
- Epoxy resin body

For more Bourns SIP Resistors visit www.Jameco.com


10-pin

4-Pin Bussed, Low Profile

Part No.	Product No.	Ohms	Price
772588	4604X-101-473♠	47k ★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing

5-Pin Bussed, Low Profile

Minimum order 10 pieces

Part No.	Product No.	Ohms	10	100
772668	4605X-101-681♠	680	$.177	$.155

6-Pin Bussed, Low Profile

Minimum order 10 pieces

Part No.	Product No.	Ohms	10	100
772705	4606X-101-472LF	4.7k	$.165	$.147
772684	4606X-101-223LF♠	22k	.165	.147

6-Pin Isolated, Low Profile

Minimum order 10 pieces

Part No.	Product No.	Ohms	10	100
1160111	4606X-102-103LF	10k	$.168	$.149
1160129	4606X-102-471LF	470	.168	.149
772836	4606X-102-333♠	33k ★	Call/Web	

★ Please call or visit our website for minimum order quantity and pricing

7-Pin Bussed, Low Profile

Part No.	Product No.	Ohms	Price
772908	4607X-101-103LF♠	10k ★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing

8-Pin Bussed, Low Profile

Minimum order 10 pieces

Part No.	Product No.	Ohms	10	100
772959	4608X-101-102LF♠	1k	$.206	$.186
772967	4608X-101-104LF	100k	.206	.186
773020	4608X-102-101LF	100	.206	.186
773062	4608X-102-121LF♠	120	.206	.186
773142	4608X-102-221LF	220	.206	.186
773265	4608X-102-471LF♠	470	.206	.186
858322	4608X-102-472	4.7k	.206	.186
773273	4608X-102-472LF♠	4.7k	.206	.186
773281	4608X-102-473LF♠	47k	.206	.186

10-Pin Bussed, Low Profile

Part No.	Product No.	Ohms	1	10
773492	4610X-101-102LF	1k	$.32	$.233
773530	4610X-101-332LF	3.3k	.32	.233
773505	4610X-101-103LF	10k	.32	.233
1160399	4610X-101-562LF	5.6k	.32	.233
773513	4610X-101-223LF	22k	.32	.233
773548	4610X-101-473LF	47k	.32	.233

10-Pin Isolated, Low Profile

✳ Minimum order 10 pcs

Part No.	Product No.	Ohms	1	10
773636	4610X-102-330♠	33 ★	Call/Web	
773695	4610X-102-560♠	56 ★	Call/Web	
773628	4610X-102-272♠	2.7k ✳	.283	
858787	4610X-102-105	1M	.33	.283

★ Please call or visit our website for minimum order quantity and pricing

More Major Brand products available at www.Jameco.com

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

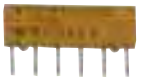
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New | Sale | Lower$ | QtySave

Bourns® 4300R Series Low-Profile Molded SIP Resistors

For more Bourns SIP Resistors visit www.Jameco.com

- Max. operating voltage: 100V
- Dielectric withstanding voltage: 200V$_{RMS}$
- Solder coated copper leads
- Tolerance: 2%
- Operating temp.: -55°C to 125°C
- UL94V-0 flammability rating
- Novolac epoxy body


6-pin

6-Pin Bussed, 0.75-Watt

Minimum order 5 pieces

Part No.	Product No.	Ohms	5	100
856600	4306R-101-102♠	1k	$.319	$.287
856669	4306R-101-332♠	3.3k	.34	.294
856685	4306R-101-472♠	4.7k	.34	.294
856634	4306R-101-103	10k	.34	.294

6-Pin Isolated, 0.75-Watt

Minimum order 5 pieces

Part No.	Product No.	Ohms	5	100
856731	4306R-102-103♠	10k	$.34	$.294

8-Pin Bussed, 1-Watt

Minimum order 5 pieces

Part No.	Product No.	Ohms	5	100
771868	4308R-101-221	220	$.388	$.333
856765	4308R-101-102♠	1k	.388	.333
856790	4308R-101-103♠	10k	.367	.33
771930	4308R-101-473♠	47k	.388	.304
856829	4308R-101-104♠	100k	.388	.333

8-Pin Isolated, 1-Watt

Minimum order 5 pieces

Part No.	Product No.	Ohms	5	100
771964	4308R-102-101	100	$.388	$.333
771999	4308R-102-121♠	120	.388	.333
772035	4308R-102-181♠	180	.388	.304
857021	4308R-102-471♠	470	.388	.304
856870	4308R-102-102♠	1k	.367	.304
857055	4308R-102-472♠	4.7k	.388	.304
856909	4308R-102-103♠	10k	.385	.334

9-Pin Bussed, 1.13-Watt

Part No.	Product No.	Ohms	1	5	100
857080	4309R-101-103♠	10k	$.54	$.465	$.461

10-Pin Bussed, 1.25-Watt

Lower $$$

Part No.	Product No.	Ohms	1	5	100
772342	4310R-101-391	390	$.56	$.47	$.40
857354	4310R-101-471	470	.53	.446	.402
857135	4310R-101-102♠	1k	.52	.437	.394
857320	4310R-101-332♠	3.3k	.52	.359	.329
857389	4310R-101-472♠	4.7k	.51	.437	.394
772377	4310R-101-472LF♻♠	4.7k	.53	.446	.402
857160	4310R-101-103	10k	.52	.437	.394
772238	4310R-101-103LF♻♠	10k	.53	.446	.402
857418	4310R-101-473♠	47k	.52	.436	.394
857215	4310R-101-104♠	100k	.52	.436	.394

10-Pin Isolated, 1.25-Watt

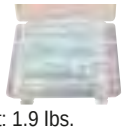
Part No.	Product No.	Ohms	1	5	100
772431	4310R-102-102♠	1k	$.55	$.466	$.402
857506	4310R-102-104♠	100k	.55	.466	.402

Committed to You

We're committed to providing you with the best service in the industry.

0805 Chip Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 pcs. Total



- Max. overload voltage: 200V
- 1/8 watts
- Weight: 1.9 lbs.
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: -50˚C to 120˚C
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806	16-500 ⊕	$79.95	$71.95	$64.79

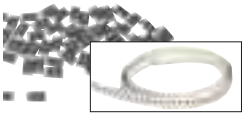
Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M	
1.6	16	85	470	2.2k	11k	56k	300k	2.4M	
2.2	18	91	510	2.4k	12k	62k	360k	2.7M	
2.4	20	110	560	2.7k	13k	68k	390k	3.0M	
2.7	22	120	620	3.0k	15k	75k	430k	3.3M	
3.0	24	130	680	3.3k	16k	82k	470k	3.6M	
3.3	27	150	750	3.6k	18k	91k	510k	3.9M	
4.3	30	160	820	3.9k	20k	100k	560k	4.3M	
4.7	33	180	910	4.3k	22k	110k	620k	4.7M	
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M	
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M	
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M	
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M	
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M	
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M	
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M	

1206 Chip Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55˚C to +125˚C
- Temp. coefficient: ±100 ppm/˚C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H



Packaged in strips of 200 pcs. each

Part No.	Cross Ref. No.	1	10	25
156882	SMR1206SB♻	$99.99	$89.99	$79.99

Value Chart (Ohms)

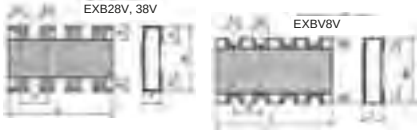
10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

SMT Resistor Arrays & Chip Resistors

Panasonic®

Surface Mount Chip Resistor Arrays

- High density
- Improvement of placement efficiency
- 4 resistors in 2mm x 1mm (EXB28V)
- 4 resistors in 3.2mm x 1.6mm (EXB38V, V8V)



For more Panasonic SMT Chip Resistors visit www.Jameco.com

Improvement of Placement Efficiency

Type	Dimensions in mm L	W	T	A1	A2	B	P	G
Convex Terminal Type								
EXB28V (0402 x 4)	2.0	1.0	0.35	0.45	0.35	0.20	(0.50)	0.25
EXB38V (0603 x 4)	3.2	1.6	0.50	0.65	0.45	0.30	(0.80)	0.35
Concave Terminal Type								
EXBV8V (0603 x 4)	3.2	1.6	0.60	0.60	0.60	0.30	(0.80)	0.45

Minimum order 10 pieces

Part No.	Product No.	Case Type	Value (Ω)	No. of Resistors	Tolerance	Pricing 10	100
922890	EXB-28V330JX♻♠	0402	33	4	5%	★	Call/Web
865223	EXB-28V331JX♻	0402	330	4	5%	.097	.086
922865	EXB-28V103JX♻♠	0402	10k	4	5%	★	Call/Web
923075	EXB-38V103JV♻♠	0603	10k	4	5%	★	Call/Web
923155	EXB-V8V103JV♻♠	0603	10k	4	5%	★	Call/Web

Bourns® Chip Resistors

- Operating temp.: -55°C to 125°C



Case Size	Power Rating @ 70°C	Max. Working Volt.	Max. Overload Volt.
0402	1/16W	25V	50V
0603	1/10W	50V	100V
0805	1/8W	100V	200V
1206	1/4W	200V	400V

5% Tolerance, ±200ppm/°C

Minimum order 50 pieces

Part No.	Product No.	Case Type	Value (Ω)	Pricing 50	500
774760	CR0402-JW-103GLF♻	0402	10K	$.02	$.015
775527	CR0805-JW-103ELF♻	0805	10K	.02	.015

1% Tolerance ±100ppm/°C

Minimum order 50 pieces

Part No.	Product No.	Case Type	Value (Ω)	Pricing 50	500
774516	CR0402-FX-10R0GLF♻	0402	10	$.017	$.014
774508	CR0402-FX-1000GLF♻	0402	100	.045	.04
775084	CR0603-FX-75R0ELF♻	0603	75	.01	.009
775404	CR0805-FX-103ELF♻	0805	10K	.013	.012
775623	CR1206-FX-1241ELF♻	1206	1.24K	.015	.014
775789	CR1206-FX-3010ELF♻	1206	30.1	.015	.014
775973	CR1206-FX-6810ELF♻	1206	68.1	.015	.014

★ Please call or visit our website for minimum order quantity and pricing.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

1/8-Watt 16mm Linear Taper



- Shaft length: 0.531" • Rated volt.: 200V
- Shaft diameter: 0.25"
- Rotational angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); 1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$1.35	$1.13	$1.02	$.83

Part No.	Product No.	Ohms
286206	RV16AF-10-20R1-B14	10k

1/5-Watt 16mm Linear Taper



- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Rotation angle: 300˚ (±5˚)
- Rotational life: 15,000 cycles
- Rated voltage: 200V
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$1.35	$1.13	$1.04	$.95

Part No.	Product No.	Ohms
286249	RV16AF-10-15R1-B13	1k
286265	RV16AF-10-15R1-B53	5k
286273	RV16AF-10-15R1-B14	10k
286302	RV16AF-10-15R1-B15	100k
286337	RV16AF-10-15R1-B16	1M

1/4-Watt 24mm Audio Taper (±20%)



- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Maximum voltage: 250V
- Terminal type: solder lugs
- Rotational angle: 300° (±5°)
- Insulation resistance: >100MΩ @ 500VDC

Qty.	1	10	100	500
Price	$1.35	$1.09	$.99	$.89

Part No.	Product No.	Ohms
255426	RV24AF-10-15R1-A14	10k
255442	RV24AF-10-15R1-A15	100k
255451	RV24AF-10-15R1-A55	500k

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)



- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)

Qty.	1	10	100	500
Price	$2.49	$2.08	$1.90	$1.71

Part No.	Product No.	Ohms
263792	RV24A01F-10-15R1-B14	10k

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

1/2-Watt 24mm Linear Taper (±20%)



255477 264373 255611

- Maximum voltage: 500V
- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC

0.335"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.35	$1.09	$.99	$.89

Part No.	Product No.	Ohms
255477	RV24AF-10-15R1-B52	500
255485	RV24AF-10-15R1-B13	1k
255493	RV24AF-10-15R1-B23	2k
255514	RV24AF-10-15R1-B53	5k
255522	RV24AF-10-15R1-B14	10k
255531	RV24AF-10-15R1-BF4	25k
255549	RV24AF-10-15R1-B54	50k
255557	RV24AF-10-15R1-B15	100k
255565	RV24AF-10-15R1-BF5	250k
255572	RV24A-10-15R1-B55	500k
255582	RV24AF-10-15R1-B16	1M
255600	RV24AF-10-15R1-B26	2M

0.531"L knurled shaft; solder lugs

Qty.	1	10	100	500
Price	$1.35	$1.09	$.99	$.89

Part No.	Product No.	Ohms
264373	RV24AF-10-20K-B52	500
264382	RV24AF-10-20K-B13	1k
264400	RV24AF-10-20K-B23	2k
264401	RV24A-10-20K-B53	5k
264411	RV24AF-10-20K-B14	10k
264428	RV24A-10-20K-B54	50k
264437	RV24AF-10-200K-B15	100k
264445	RV24AF-10-20K-BF5	250k
264453	RV24AF-10-20K-B55	500k
264462	RV24AF-10-20K-B16	1M
264480	RV24AF-10-20K-B26	2M

1.32"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.35	$1.09	$.99	$.89

Part No.	Product No.	Ohms
255611	RV24AF-10-40R1-B52	500
255628	RV24A-10-40R1-B13	1k
255645	RV24AF-10-40R1-BF3	2.5k
255653	RV24AF-10-40R1-B53	5k
255662	RV24AF-10-40R1-B14	10k
255688	RV24AF-10-40R1-B54	50k
255696	RV24AF-10-40R1-B15	100k
255709	RV24AF-10-40R1-BF5	250k
255717	RV24AF-10-40R1-B55	500k
255725	RV24AF-10-40R1-B16	1M
255733	RV24AF-10-40R1-B56	5M

For more Major Brand Potentiometers visit www.Jameco.com

2-Watt Linear Taper (±10%)

RV4N Series



- 2W @ 70˚C ambient
- Temp. range: -55˚C to +120˚C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"
- Shaft diameter: 0.25" • Shaft length: 0.875"

Includes: Mounting hardware

Qty.	1	10	25	50
Price	$8.89	$7.85	$6.54	$6.24

Part No.	Product No.	Military No.	Ohms
241568	53C3-100	RV4NAYSD101A	100
241584	53C3-250	RV4NAYSD251A	250
183610	53C3-500	RV4NAYSD501A	500
13936	53C3-1k	RV4NAYSD102A	1k
241613	53C3-2k	RV4NAYSD202A	2k
241621	53C3-2.5k	RV4NAYSD252A	2.5k
13995	53C3-5k	RV4NAYSD502A	5k
13952	53C3-10k	RV4NAYSD103A	10k
241656	53C3-20k	RV4NAYSD203A	20k
241664	53C3-25k	RV4NAYSD253A	25k
95417	53C3-50k	RV4NAYSD503A	50k
13979	53C3-100k	RV4NAYSD104A	100k
241681	53C3-250k	RV4NAYSD254A	250k
241728	53C3-1M	RV4NAYSD105A	1M

1/2-Watt Linear Taper (±10%)



- Temperature range:-55˚C to +125˚C
- Non-rotational key, Non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft diameter: 0.25"
- Shaft length: 0.50"

For more ValuePro Potentiometers visit www.Jameco.com

Includes: Mounting hardware

Qty.	1	10	100	500
Price	$.99	$.79	$.65	$.55

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M
29082	P10K	10k			

2-Watt Linear Taper Wirewound (±20%)



- Temp. range: -10˚C to +70˚C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825" • Base length: 0.25"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123960	PT1K	1k	$4.09	$3.70	$3.28	$2.96
123967	PT5K ⊕	5k	3.29	2.99	2.65	2.39

5-Watt Linear Taper Wirewound (±20%)



- Temp. range: -10˚C to 70˚C
- Shaft diameter: 0.23" (6mm)
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"
- Shaft length: 0.67"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140514	PW5B100	100	$2.79	$2.51	$2.00	$1.51

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Bourns® 2-Watt 10-Turn Wirewound (±5%)


771147

- Insulation resistance: (500VDC) 1000MΩ min.
- Absolute min. resistance: 1Ω or 0.1% maximum
- Power rating: **3540 Series**: 2W @ 70°C; **3590 Series**: 2W @ 40°C
- Operating temp. range: +1°C to +125°C

3540S –1 Series

For more Bourns Potentiometers visit www.Jameco.com

Part No.	Product No.	Ohms	1	10	50
183548	3540S-1-502	5k	$13.25	$12.14	$11.24
183521	3540S-1-103	10k	12.99	12.79	12.59

3590S –1 Series, Plastic Bushing NEW

Part No.	Product No.	Ohms	1	10	100
771112	3590S-1-102	1k	$9.89	$8.93	$8.63
771121	3590S-1-103	10k	9.89	8.93	8.63
771147	3590S-1-203♠	20k	9.85	9.24	8.63
771139	3590S-1-104L	100k ..	12.85	11.56	11.18

3590S –2 Series, Metal Bushing

Part No.	Product No.	Ohms	1	5	100
855818	3590S-2-502	5k	$9.85	$9.24	$8.63
771155	3590S-2-103	10k	9.85	9.24	8.63
771163	3590S-2-203	20k	9.85	9.24	8.63

Bourns® 12mm Incremental Encoder



- Applications: audio-visual equipment, consumer electric appliances, radios, musical instrumentations, communications equipment
- Output: 2-bit gray code
- Contact rating: 1mA @ 5VDC
- Closed circuit resistance: 3Ω max.
- Insulation resistance: 10mΩ @ 250VDC
- Dielectric withstanding voltage: 50VAC min.
- RPM (operating): 100 max.
- Compact design, long life & high reliability
- Switch type: contact push ON momentary SPST
- PC horizontal/rear facing, 24 detents, 25mm shaft length, insulated shaft, no switch, 24 pulses per 360° rotation

Part No.	Product No.	1	10	100
776386	PEC12-4225F-N0024	$.92	$.71	$.64

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)


42964

- Top adjustment
- 1/2 watt linear taper @ 70°C
- PC pins: 0.100" grid (2.54mm)
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants
- Pin spacing: 0.1" († P/N 43060: 0.2")

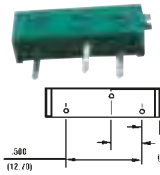
Cross Ref. Chart

Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Mepcopal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

Qty.	1	10	100	500
Price	$.78	$.69	$.61	$.443

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
43123	63P500	500	43107	63P50K	50k
42964	63P1K	1k	43027	63P100K	100k
43043	63P2K	2k	43060	63P300K†	300k
43078	63P5K	5k	63212	63P500K	500k
43001	63P10K	10k	42981	63P1MEG	1M
43051	63P20K	20k			

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)


41911

Cross Ref. Chart

Equivalent to:	
Allen Bradley	94P
Beckman	89PR
Bourns	3006P
Litton	6034Y
Mepcopal	8034
Murata	2101P
Spectrol	43P
VRN	961-20
Weston	830P

- PC pins: 0.100" grid (2.54mm)
- Side adjustment
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants

Qty.	1	10	100	500
Price	$1.05	$.99	$.89	$.75

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
41785	43P1K	1k	41873	43P20K	20k
41865	43P2K	2k	41911	43P50K	50k
41890	43P5K	5k	41849	43P100K	100k
41822	43P10K	10k	41806	43P1MEG	1M

Bourns® 1/2-Watt, 3/8" Round, Open-Frame Trimming Potentiometer (±20%)

3352W Series — Side Adjustment



- Resistance tolerance: ±20%
- Absolute min. resistance: 2Ω max.
- Adjustment angle: 205° nominal
- Power rating: 0.25W @ 85°C
- Temperature range: -55°C to 125°C
- Thumb & screwdriver adjust.

Part No.	Product No.	Ohms	1	10	100
770347	3352W-1-103	10k ...	$1.17	$1.06	$.90

1/4-Watt Miniature Linear (±20%)

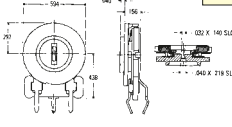
JAMECO ValuePro

X201 (19/32") Vertical Mount



- 15mm thick • Volt. rating: 350VDC
- Power rating: below 5kΩ – 1/4 watt @ 40°C; 5kΩ & above – 1/4 watt @ 55°C
- Total rotation: 260° ±5°

For more ValuePro Potentiometers visit www.Jameco.com



Cross Ref. Chart

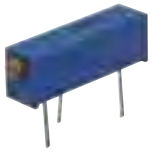
Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15

Part No.	Cross Ref. No.	Ohms	1	10	100	500
94714	X201R10K	10k ...	$.49	$.406	$.364	$.302
94722	X201R50K	50k	.45	.395	.355	.294
94731	X201R100K	100k ...	.55	.437	.393	.325

More Major Brand Potentiometers available at www.Jameco.com

Bourns® 3/4-Watt, 3/4" Rectangular, Multi-Turn Cermet Trimming Side Adjustment (±10%)

3006P Series – 3/4W, Y Layout Solder Pins



- Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact resistance variation: 1% or 1Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.75W @ 70°C (400V max.)

For more Bourns Potentiometers visit www.Jameco.com

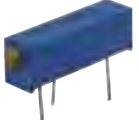
Qty.	1	10	50	100
Price	$1.55	$1.36	$1.26	$1.19

Part No.	Product No.	Ohms
695990	3006P-1-101	100
696044	3006P-1-201	200
696087	3006P-1-501	500
696001	3006P-1-102	1k
696052	3006P-1-202	2k
768790	3006P-1-202LF ♠	2k
696095	3006P-1-502	5k
696010	3006P-1-103	10k
768773	3006P-1-103LF	10k
696061	3006P-1-203	20k
768802	3006P-1-253	25k
696108	3006P-1-503	50k
696028	3006P-1-104	100k
696079	3006P-1-204♠	200k
696036	3006P-1-105	1M

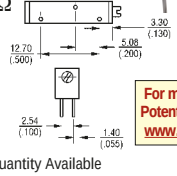
3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Trimming Side Adjustment (±10%)

JAMECO ValuePro

Bourns 3006P Series Value Equivalents



- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum resistance: 1% or 2Ω
- Contact resistance variation: 1% or 1Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



For more ValuePro Potentiometers visit www.Jameco.com

✪ Blue Part No. = Limited Quantity Available

Qty.	1	10	50	100
Price	$1.46	$1.41	$1.21	$.98

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
241234	3006P-101 ⊕	100	241294	3006P-103	10k
241242	3006P-201 ⊕	200	241307	3006P-203	20k
241252	3006P-501	500	241323	3006P-503	50k
241269	3006P-102 ⊕ ✪	1k	241332	3006P-104	100k
241278	3006P-202	2k	241365	3006P-504 ⊕ ✪	500k
241286	3006P-502	5k	241374	3006P-105	1M

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Bourns® 1/4" Square, Multi-Turn Trimming Side Adjustment (±10%)

- Resistance tolerance: ±10%
- Y-layout solder pins
- Sealed cermet
- 12 turns nominal
- Insulation resistance (500VDC): 1,000MΩ min.
- Contact resistance variation: 3% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70°C (300V max.)


3266X


3266W

3266X Series

Part No.	Product No.	Ohms	1	10	100
696503	3266X-1-202♠	2k	$2.85	$2.34	$2.24
696538	3266X-1-502♠	5k	2.85	2.34	2.24
696482	3266X-1-103	10k	2.79	2.34	2.24
696511	3266X-1-203	20k	3.35	2.73	2.32
696546	3266X-1-503♠	50k	2.85	2.34	2.24
696491	3266X-1-104	100k	2.89	2.37	2.24

3266W Series

Part No.	Product No.	Ohms	1	10	100
696343	3266W-1-101♠	100	$2.85	$2.34	$2.24
696394	3266W-1-201♠	200	2.85	2.34	2.24
696431	3266W-1-501♠	500	2.85	2.34	2.24
769178	3266W-1-501LF♠	500	2.99	2.57	2.24
696351	3266W-1-102	1k	3.25	2.63	2.50
696407	3266W-1-202♠	2k	2.85	2.34	2.24
696440	3266W-1-502	5k	3.55	3.22	2.77
696360	3266W-1-103	10k	4.05	3.19	2.62
696415	3266W-1-203♠	20k	2.85	2.34	2.24
769151	3266W-1-253♠	25k	2.85	2.34	2.24
696458	3266W-1-503♠	50k	2.85	2.34	2.24
696378	3266W-1-104	100k	3.55	2.60	2.47
696466	3266W-1-504♠	500k	2.85	2.34	2.24
696386	3266W-1-105♠	1M	2.85	2.34	2.24

3266P Series

Part No.	Product No.	Ohms	1	10	100
769098	3266P-1-103	10k	$3.19	$2.79	$2.63

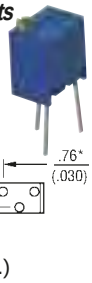
1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment (±10%)

JAMECO ValuePro

Bourns 3266W Series Value Equivalents

- Resistance tolerance: ±10%
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact resistance variation: 3% or 3Ω max. (whichever is greater)
- Absolute min. resistance: 1% or 2Ω max. (whichever is greater)
- Power rating: 0.25W @ 70°C (300V max.)





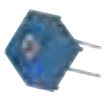
For more ValuePro Potentiometers visit www.Jameco.com

Qty.	1	10	50	100
Price	$2.45	$2.12	$2.03	$1.92

Part No.	Cross Ref. No.	Ohms
254626	3266W-201	200
254642	3266W-102	1k
254651	3266W-202	2k
254669	3266W-502	5k
254677	3266W-103	10k
254684	3266W-203 ⊕	20k
254706	3266W-503	50k
254714	3266W-104	100k
254749	3266W-105	1M

Bourns® 1/2-Watt, 1/4" Square, Trimming Pots (±10%)

- Resistance tolerance: ±10%
- Absolute min. res.: 1% or 2Ω
- Adjustment angle: 240° nominal
- Insulation res. (500VDC): 1,000MΩ min.
- Power rating: 0.5W @ 70°C
- Temperature range: -55°C to 125°C


3362P


3362W

3362H Series — Top Adjustment, Y-Layout

Part No.	Product No.	Ohms	1	10	100
770371	3362H-1-103	10k	$.82	$.69	$.64

3362P Series — Top Adjust, Y-Layout

Part No.	Product No.	Ohms	1	10	100
854663	3362P-1-102	1k	$.81	$.66	$.59
854698	3362P-1-202	2k	.78	.65	.59
770435	3362P-1-203	20k	.81	.68	.60
854727	3362P-1-503	50k	.81	.68	.60

3362R Series — Top Adjust, Rev. Y-Layout

Part No.	Product No.	Ohms	1	10	100
770451	3362R-1-103	10k	$.80	$.68	$.64

3362W Series — Side Adjust, Rev. Y-Layout

Part No.	Product No.	Ohms	1	10	100
770566	3362W-1-103	10k	$.82	$.69	$.64

1/2-Watt Trimming Pots (±10%)

3362P Series — Linear Taper



- Terminals: solderable pins
- Rotational life: 200 cycles
- Wiper positioning: 50% nominal
- Top adjustment: 240° nominal
- Insulation resistance: 500VDC 1,000MΩ min.
- Absolute minimum resistance: 1% or 2Ω max.
- Contact resistance variation: 1% or 3Ω maximum

Cross Reference Chart

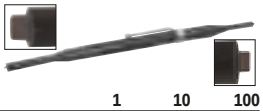
Equivalent to:		Equivalent to:	
Bourns	3362P	Murata	PVC6
Copal	CT-6P	Vishay	76

Qty.	1	10	100	500
Price	$.69	$.62	$.47	$.42

Part No.	Cross Ref. No.	Ohms
182810	3362P-501 ⊕	500
182828	3362P-502 ⊕	5k
182837	3362P-103	10k

Pocket Trimmer Potentiometer Adjustment Tool

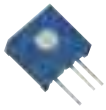
- Glass-filled body
- Stainless steel blade
- Size: 5.2"L

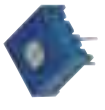


Part No.	Description	1	10	100
153315	Trimmer tool	$1.35	$1.22	$1.09
776108	Adjustment tool	1.49	1.37	1.26

Bourns® 1/2-Watt, 3/8" Square, Trimming Pots (±10%)

- Resistance tolerance: ±10%
- Insulation resistance (500VDC): 1,000MΩ min.
- Absolute min. resistance: 2Ω max.
- Adjustment angle: 280° nominal
- Power rating: 0.5W @ 85°C (300V max.)
- Temperature range: -55°C to 125°C


3386H


3386P

3386F — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
854858	3386F-1-103	10k	$1.20	$.92	$.90
854920	3386F-1-104♠	100k	1.06	.93	.81
770726	3386F-1-504♠	500k	1.08	.96	.81

3386H — Side Adjust, Rev. Y-Layout Pins

Part No.	Product No.	Ohms	1	10	100
770793	3386H-1-502♠	5k	$1.22	$.97	$.81
770734	3386H-1-103	10k	1.21	1.09	.90

3386P — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
855164	3386P-1-101	100	$1.21	$1.06	$.90
855480	3386P-1-501	500	1.10	.97	.90
855199	3386P-1-102	1k	1.09	.95	.82
855341	3386P-1-202	2k	1.09	.95	.82
855519	3386P-1-502	5k	1.21	1.06	.92
855228	3386P-1-103	10k	1.10	.97	.90
770806	3386P-1-103LF	10k	1.08	.96	.81
855404	3386P-1-203♠	20k	1.25	.97	.81
770831	3386P-1-203LF♠	20k	1.08	.84	.81
855455	3386P-1-253	25k	1.15	1.01	.95
855244	3386P-1-104	100k	1.10	.97	.90
855578	3386P-1-504	500k	1.09	.95	.82

3386W — Side Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
855631	3386W-1-103	10k	$1.10	$.97	$.90

3386X — Side Adjust, Rev. Y-Layout Pins

Part No.	Product No.	Ohms	1	10	100
855682	3386X-1-102♠	1k	$1.06	$.94	$.81
855797	3386X-1-502♠	5k	1.25	.97	.81
855711	3386X-1-103	10k	1.09	.97	.90

Bourns® 1/4-Watt, 4mm Square SMD, Trimming Pots (±10%)

3314 Series


3314J

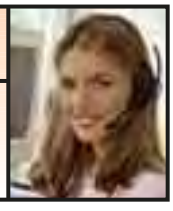
- Top adjust. straight slot
- Adjustment angle: 210°
- End resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70°C
- Insulation resistance: (500VDC) 100MΩ min.
- Contact resistance variation: 3% or 3Ω max.

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Ohms	1	10	100
854330	3314J-1-502E	5K	$1.38	$1.29	$1.21
854284	3314G-1-103E ✪	10K	1.19	1.06	1.04

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

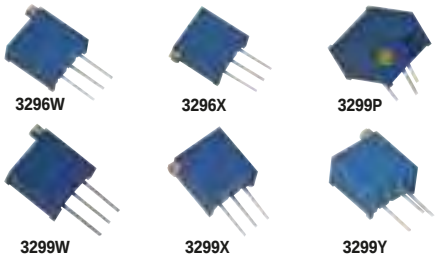


♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Bourns® 1/2-Watt, 3/8" Square, Multi-Turn Trimming Pots (±10%)

- 25 turns nominal
- Resistance tolerance: ±10%
- Power rating: 0.5W @ 70°C (300V max.)
- Temperature range: -55°C to 150°C
- Absolute min. resistance: 1% or 2Ω max.
- Insulation resistance (500VDC): 1,000MΩ min.



3296P — Side Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
769311	3296P-1-104	100k ..	$2.49	$2.29	$1.99

3296W — Top Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
853530	3296W-1-101♠	100 ...	$2.15	$1.72	$1.55
853636	3296W-1-201♠	200	2.15	1.72	1.55
853759	3296W-1-501♠	500	2.15	1.72	1.55
769469	3296W-1-501LF♻♠	500	1.99	1.63	1.54
853556	3296W-1-102	1k	2.49	2.28	1.74
769389	3296W-1-102LF♻	1k	1.99	1.63	1.54
853652	3296W-1-202♠	2k	2.15	1.72	1.55
769426	3296W-1-202LF♻♠	2k	1.99	1.62	1.54
853775	3296W-1-502	5k	2.05	1.83	1.74
769477	3296W-1-502LF♻	5k	1.99	1.62	1.54
853572	3296W-1-103	10k	2.05	1.83	1.74
769397	3296W-1-103LF♻	10k	1.99	1.62	1.54
853679	3296W-1-203♠	20k	2.15	1.72	1.55
769434	3296W-1-203LF♻♠	20k	1.99	1.62	1.54
853791	3296W-1-503	50k	2.05	1.88	1.73
769485	3296W-1-503LF♻	50k	1.62	1.43	1.34
853599	3296W-1-104	100k ...	2.05	1.83	1.74
769400	3296W-1-104LF♻♠	100k ...	1.99	1.64	1.45
853695	3296W-1-204	200k ...	2.19	1.98	1.73
853812	3296W-1-504	500k ...	2.05	1.89	1.73
769493	3296W-1-504LF♻	500k ...	2.05	1.89	1.73
853610	3296W-1-105	1M	2.15	1.72	1.55

3296X — Side Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
853960	3296X-1-501♠	500 ...	$2.29	$1.90	$1.55
853935	3296X-1-202♠	2k	2.15	1.72	1.55
769549	3296X-1-202LF♻♠	2k	1.99	1.62	1.54
853986	3296X-1-502♠	5k	2.15	1.72	1.55
853871	3296X-1-103	10k	2.19	1.96	1.73
769522	3296X-1-103LF♻♠	10k	1.99	1.62	1.54
853951	3296X-1-203♠	20k	2.15	1.72	1.55
853898	3296X-1-104♠	100k ...	2.15	1.72	1.55

3296Y — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	50
240389	3296Y-1-501	500	$2.49	$2.26	$1.94
240397	3296Y-1-102	1k	2.19	1.98	1.74
1156947	3296Y-1-102LF♻♠	1k	1.65	1.42	1.34
240400	3296Y-1-202	2k	2.39	2.22	2.00
1156971	3296Y-1-202LF♻♠	2k	1.65	1.42	1.34
240418	3296Y-1-502	5k	2.39	2.22	2.00
769581	3296Y-1-502LF♻	5k	1.99	1.62	1.54
240426	3296Y-1-103	10k ..	1.99	1.85	1.66
1156955	3296Y-1-103LF♻	10k ..	1.65	1.42	1.34
240434	3296Y-1-203	20k ..	1.99	1.85	1.66
1156998	3296Y-1-203LF♻♠	20k ..	1.65	1.42	1.34
240451	3296Y-1-503	50k ..	2.39	2.22	2.00
1157018	3296Y-1-503LF♻♠	50k ..	1.65	1.42	1.34
240469	3296Y-104	100k	1.99	1.85	1.66
240493	3296Y-1-105	1M ...	2.19	1.98	1.74

3299P — Side Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
854145	3299P-1-502♠	5k	$2.75	$2.23	$1.97
854102	3299P-1-103♠	10k	2.75	2.23	1.97
769688	3299P-1-503	50k	2.45	2.27	2.16

3299W — Top Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	50
238553	3299W-1-100	10	$2.39	$2.25	$1.99
238596	3299W-1-201	200	2.39	2.25	1.99
183556	3299W-1-102	1k	2.39	2.25	1.99
1157149	3299W-1-102LF♻♠	1k	2.65	2.37	1.79
238617	3299W-1-202	2k	2.39	2.25	1.99
1157181	3299W-1-202LF♻♠	2k	2.65	2.37	1.79
238625	3299W-1-502	5k	2.39	2.25	1.99
769725	3299W-1-502LF♻♠	5k	2.59	2.08	1.83
183564	3299W-1-103	10k	2.39	2.25	1.99
769696	3299W-1-103LF♻♠	10k	2.59	2.08	1.83
238633	3299W-1-203	20k	2.39	2.25	1.99
769717	3299W-1-203LF♻♠	20k	2.59	2.08	1.83
238650	3299W-1-503	50k	2.39	2.25	1.99
1157237	3299W-1-503LF♻♠	50k	2.65	2.37	1.79
183572	3299W-1-104	100k	2.89	2.68	2.23
769709	3299W-1-104LF♻♠	100k	2.59	2.59	2.08
854161	3299W-1-204♠	200k.....	2.59	2.07	1.83
1157190	3299W-1-204LF♻♠	200k	2.65	2.37	1.79
238676	3299W-1-504	500k	2.65	2.37	2.10
238684	3299W-1-105	1M	2.95	2.67	2.32
1157165	3299W-1-105LF♻♠	1M	2.65	2.28	2.14

3299X — Side Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
854188	3299X-1-102♠	1k	$2.59	$2.08	$1.83
854225	3299X-1-202♠	2k	2.59	2.08	1.83
854209	3299X-1-103♠	10k	2.59	2.08	1.83

3299Y — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
240573	3299Y-1-102	1k	$2.89	$2.63	$2.15
240590	3299Y-1-502	5k	2.65	2.37	2.10
240602	3299Y-1-103	10k	2.65	2.37	1.95

Bourns® 0.2-Watt, 6mm Round Trimming Pots (±25%)

3306P Series — Top Adjust, Y-Layout Pins



- Resistance tolerance: ±25%
- Absolute min. resistance: 2% max.
- Adjustment angle: 215° nominal
- Power rating: 0.2W @ 70°C
- Temperature range: -25°C to 100°C

Part No.	Product No.	Ohms	1	10	100
769944	3306P-1-103♻	10k	$.54	$.417	$.382

Bourns® 1/2-Watt, 1/4" Round, Trimming Pots (±10%)



- Resistance tolerance: ±10%
- Absolute min. res.: 1% or 2Ω
- Adjustment angle: 240° nominal
- Power rating: 0.5W @ 80°C
- Temperature range: -55°C to 150°C
- Insulation res. (500VDC): 1,000MΩ min.

3329H Series — Top Adjustment

Part No.	Product No.	Ohms	1	10	100
854508	3329H-1-501♠	500 ...	$2.19	$1.92	$1.64
854356	3329H-1-102♠	1k	2.19	1.92	1.64
854532	3329H-1-502♠	5k	2.19	1.92	1.64
854372	3329H-1-103♠	10k	2.35	2.04	1.92
854487	3329H-1-203♠	20k	2.19	1.92	1.64
854399	3329H-1-104♠	100k ...	2.19	1.92	1.64

1/2-Watt, 1/4" Round, Cermet Pots (±10%)

3329P Series



- TO-5 grid • Top adjustment
- Terminals: solderable pins
- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55˚C to +150˚C

Cross Reference Chart

Equivalent to:		Equivalent to:		Equivalent to:	
Beckman	82M	MEC	471	VRN	171
Bourns	3329P	Murata	3321P	Weston	567
Mepcopal	8050	Spectrol	62-3		

Qty.	1	10	100	500
Price	$1.89	$1.59	$1.29	$1.19

Part No.	Cross Ref. No.	Ohms
95450	3329P-502	5k
96719	3329P-103	10k

1/2-Watt, 1/4" Round, Cermet Pots (±10%)

JAMECO ValuePro

Bourns 3329P Series Value Equivalents





- TO-5 grid • Top adjustment
- Terminals: solderable pins
- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55˚C to +150˚C

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Qty.	1	10	50	100
Price	$1.69	$1.53	$1.29	$1.21

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254530	3329P-103 ♻	10k	254562	3329P-104 ♻	100k
254538	3329P-203 ♻	20k	254597	3329P-105 ♻	1M

Bourns® 1/2-Watt, 5/16" Round Trimming Pots (±10%)

3339P Series — Top Adjustment



- 4 turns nominal
- Resistance tolerance: ±10%
- Power rating: 0.5W @ 80°C
- Temperature range: -55°C to 150°C
- Insulation res. (500VDC): 1,000MΩ min.
- Absolute min. resistance: 1% or 2Ω max.

Part No.	Product No.	Ohms	1	10	100
770208	3339P-1-102♠	1k	$4.45	$3.88	$3.31
854612	3339P-1-103♠	10k	4.45	3.80	3.31

More Major Brand products available at www.Jameco.com

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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

JAMECO ValuePro High-Current Toroid Inductors

- DC - DC converter, EMI filter applications
- Low radiation • Low core loss
- High current capacity
- Operating temperature.: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specifications

For more ValuePro Inductors visit www.Jameco.com



Horizontal Vertical

J.W. Miller 2100 Series Value Equivalents

Quantity SAVE

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371741	2101-V ⊕	10.0	10.8	0.006	0.34	0.053	$1.69	$1.03	$.74
371506	2101-H ⊕	10.0	10.8	0.006	0.77	0.053	1.69	1.03	.74
371822	2109-V ♻	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371848	2111-V ⊕	68.0	3.3	0.067	0.31	0.027	1.65	.95	.71
371856	2112-V	100.0	2.4	0.13	0.31	0.022	1.69	.95	.71
371611	2112-H ⊕	100.0	2.4	0.13	0.74	0.022	1.69	1.04	.74
371872	2114-V ⊕	150.0	3.4	0.062	0.35	0.034	1.65	1.20	.97
371638	2114-H ♻	150.0	3.4	0.062	0.79	0.034	1.69	1.04	.74
371899	2116-V ⊕	220.0	2.4	0.12	0.34	0.027	1.65	.95	.71
371653	2116-H ⊕	220.0	2.4	0.12	0.77	0.027	1.65	.95	.71
371670	2118-H ⊕	330.0	1.7	0.23	0.76	0.022	1.65	.84	.63
371952	2122-V	680.0	1.4	0.33	0.35	0.022	1.89	1.17	.84
371961	2123-V ⊕	820.0	1.4	0.37	0.35	0.022	1.65	.95	.71
371725	2123-H ⊕	820.0	1.4	0.37	0.79	0.022	1.65	1.20	.97
371979	2124-V ⊕	1000.0	1.3	0.40	0.37	0.022	1.89	1.05	.79

J.W. Miller 2200 Series Value Equivalents

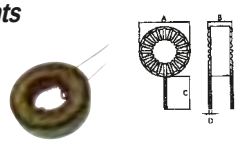
Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371303	2205-V ⊕	22.0	10.3	0.010	0.46	0.053	$2.15	$1.28	$.96
371071	2206-H ⊕	27.0	9.8	0.011	0.88	0.053	2.19	1.31	.98
371346	2209-V ⊕	47.0	6.7	0.024	0.45	0.042	2.15	1.26	.95
371371	2212-V ⊕	100.0	4.4	0.056	0.44	0.034	2.58	1.58	1.12
371135	2212-H ⊕	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371160	2215-H ⊕	180.0	3.8	0.075	0.90	0.034	2.19	1.12	.84
371418	2216-V ⊕	220.0	3.6	0.083	0.48	0.034	2.15	1.26	.95
371434	2218-V ⊕	330.0	3.3	0.10	0.48	0.034	2.35	1.37	1.23

J.W. Miller 2300 Series Value Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1KHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
386901	2301-V ⊕	10.0	20.0	0.005	0.56	0.066	$2.19	$1.47	$1.10
386978	2304-V ⊕	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386521	2308-H ⊕	39.0	11.2	0.014	1.14	0.053	2.19	1.47	1.10
387111	2310-V ⊕	56.0	10.2	0.017	0.53	0.053	2.19	1.47	1.10
386601	2312-H ⊕	100.0	7.0	0.037	1.13	0.042	2.19	1.30	.98
387188	2313-V ⊕	120.0	6.7	0.040	0.52	0.042	2.25	1.73	1.42
387268	2316-V ⊕	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386767	2319-H ⊕	390.0	5.0	0.072	1.17	0.042	2.25	1.73	1.37
387364	2320-V ⊕	470.0	3.8	0.13	0.54	0.034	2.19	1.49	1.13

J.W. Miller 5700 Series Value Equivalents

- Low radiation • Low core loss
- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max. C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 172 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications



Part No.	Cross Ref. No.	L (µH)	IDC max. (A)	L min. @ IDC	Pricing 1	10	25	50	100
208259	5701 ♻	10	11.0	5	$4.36	$4.17	$3.99	$3.60	$3.49
208291	5705 ⊕	450	1.5	250	4.35	3.28	2.95	2.44	2.21

TRIAD High Current Rod Core Inductor

- Rated current @ 40˚C temperature rise



Part No.	Product No.	Inductance 10%	DC Rated Current (A)	DCR (Ω) max.	Pricing 1	10	100
630256	RC-10	100µH	2.0	0.098	$2.35	$2.14	$1.85

JAMECO ValuePro Molded RF Chokes

For more ValuePro Chokes visit www.Jameco.com

- High Q and high reliability • Dielectric strength: 1000V_{RMS}
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification

Quantity SAVE

J.W. Miller 9230 Series Value Equivalents



- Overall length: 2.25" • Lead length: 1.0"
- Body length: 0.25" • Body diameter: 0.095" • Miniature size
- Operating temp.: phenolic -55°C to +125°C, iron/ferrite -55°C to +105°C

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372437	9230-68 ⊕	100	13	8.0	125	Ferrite	$.61	$.52	$.39

J.W. Miller 9250 Series Value Equivalents



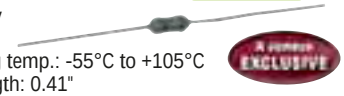
- Ferrite magnetic shielded for low radiation
- Operating temp.: -55°C to +105°C

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372533	9250-474 ⊕	470.0	5.7	9.5	92	Ferrite	$.85	$.72	$.54
372550	9250-225 ⊕	2200.0	0.97	33.8	50	Ferrite	.97	.83	.62
372568	9250-106	10,000.0	0.47	137.0	24	Ferrite	1.05	.89	.67

JAMECO ValuePro Epoxy Conformal Coated RF Chokes

J.W. Miller 77F Series Value Equivalents

Quantity SAVE



- High current and self-resonant frequency
- Low DCR • Low cost
- Dielectric strength: 500V_{RMS} • Operating temp.: -55°C to +105°C
- Color bands identification • Body length: 0.41"
- Overall length: 2.41" • Lead length: 1.0" • Body diameter: 0.157"

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
372091	77F102 ⊕ *	1000.0	1.4	14.0	100	$.43	$.366	$.275

* L (µH) ±5%

J.W. Miller 78F Series Value Equivalents



- High Q and self-resonant frequency
- Dielectric strength: 500V_{RMS} • Low cost
- Color bands identification • Low DCR
- Operating temp.: -55°C to +105°C • Body length: 0.28"
- Overall length: 2.28" • Body diameter: 0.11" • Lead length: 1.0"

Quantity SAVE

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
372111	78F1R0 ⊕	1.0	180	0.15	385	$.42	$.357	$.268
372120	78F1R8	1.8	125	0.25	455	.42	.357	.268
372171	78F100 ⊕ *	10.0	22	0.72	130	.25	.124	.101
372197	78F220 ⊕ *	22.0	13	1.20	140	.42	.357	.268

* L (µH) ±5%

JAMECO ValuePro Hash RF Chokes

For more ValuePro Chokes visit www.Jameco.com

J.W. Miller 5200 Series Value Equivalents



- Low cost • Low DCR
- High current capacity • Varnish coated
- Ideal for use as EMI filter, output choke, smoothing coil

Part No.	Cross Ref. No.	L ±10% (µH)	Res. Freq. Min. (Hz)	DCR Max. (Ω)	Current (mA)	Pricing 1	10	100
681088	5250 ♻	100	1.0kHz	0.216	2.0	$1.05	$1.00	$.69
681070	5252 ♻	125	1.0kHz	0.08	3.5	1.75	1.07	.76

30-Day Money-Back Guarantee

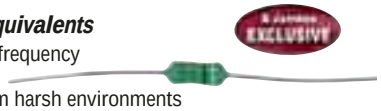
If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

Conformal Coated RF Chokes

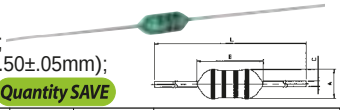
J.W. Miller 5300 Series Value Equivalents



- High current and high self-resonant frequency
- Low DCR • Low cost
- Epoxy coated to protect winding from harsh environments

Part No.	Cross Ref. No.	L ±10% (µH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing 1	10	100
644367	5300-13	10.0	25.0	0.095	1500	$1.29	$1.16	$1.00
642492	5300-25	100.0	3.9	0.67	550	1.29	1.16	1.00

Epoxy Conformal Coated Chokes

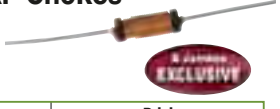


- Operating temperature: -25°C to +85°C
- Size: A = 3.2mm max.; B = 7.0mm max.; C = 0.48±0.5mm (except P/N 208143: 0.50±.05mm); D = 63±3mm • Tolerance: 5%

Quantity SAVE

Part No.	L (µH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing 1	10	100
208143	10 ⊕	60	7.96	28.7	1.56	670	$.49	$.45	$.39
208194	100 ⊕	45	2.52	5.0	4.98	240	.24	.204	.153
208240	1000	45	0.796	1.5	31.3	80	.49	.417	.313

High Current Axial RF Chokes



- High current capacity • Low DCR
- Ferrite bobbin core • Test frequency: 1kHz

J.W. Miller 5800 Series Value Equivalents

Part No.	Cross Ref. No.	L ±10% (µH)	DCR Max. (Ω)	DC Current Max. (A)	Pricing 1	10	100
642564	5800-100	10	0.033	1.28	$1.19	$.72	$.51
642601	5800-101	100	0.208	0.632	1.19	.72	.51
642644	5800-221	220	0.43	0.508	1.19	.72	.51
642679	5800-391	390	0.772	0.4	1.19	.72	.51
642695	5800-102	1000	2.30	0.200	1.19	.72	.51
642716	5800-222	2200	4.48	0.158	1.19	.72	.51
642741	5800-103	10,000	26.4	0.05	1.19	.72	.51

J.W. Miller 5900 Series Value Equivalents

642767	5900-220	22	0.026	6.07	$2.09	$1.28	$.90
642791	5900-101	100	0.09	2.79	2.09	1.28	.90
642821	5900-221	220	0.162	1.89	2.09	1.28	.90
642839	5900-271	270	0.208	1.63	2.09	1.28	.90
642863	5900-471	470	0.38	1.2	2.09	1.28	.90
642871	5900-681	680	0.548	1	2.09	1.28	.90
642880	5900-102	1000	0.844	0.8	2.09	1.28	.90
642898	5900-152	1500	1.18	0.7	2.35	1.20	1.03
642901	5900-472	4700	3.19	0.4	2.09	1.28	.90
642919	5900-682	6800	5.69	0.322	2.09	1.28	.90
642927	5900-103	10,000	7.3	0.266	1.95	1.66	1.25

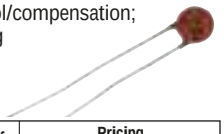
TVS Diode Arrays



The SP720 is an array of SCR/Diode bipolar structures for ESD and overvoltage protection to sensitive input circuits. It contains 2 protection SCR/Diode device structures per input for a total of 14 inputs.

Part No.	Product No.	Package	1	10	100	500
1762470	SP720AP♠	DIP-16	$2.29	$2.12	$1.94	$1.79
1762453	SP720ABG♠	SOIC-16	2.49	2.31	2.11	2.03

NTC Thermistors

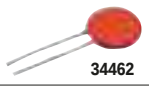


- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing 1	10	100	500
207483	NTC-102	1k	3800	-4.3	$.65	$.506	$.403	$.331
207441	NTC-502	5k	3900	-4.4	.59	.49	.39	.32
207037	NTC-103	10k	4100	-4.6	.69	.57	.446	.366
207011	NTC-203	20k	4200	-4.7	.59	.49	.39	.32
206991	NTC-104	100k	4400	-4.9	.59	.49	.39	.32

LA Series Radial Leaded Varistor

- AC power line applications • Power supplies
- High energy absorption • UL recognized as "across-the-line components"
- UL recognized as "transient voltage surge suppressors"



34462

LA Series	Size	Max. Ratings (+85°C) Continuous RMS Volt.	Continuous DC Volt.	Transient Energy (10/1000µs)	Characteristics at 25°C Max Clamping Volt. @ I_{PK} Value Curr. (8/20µs)		Pricing			
Part No.	Cross Ref. No.	Disc Dia. (mm)	$V_{M(AC)}$ Volts	$V_{M(DC)}$ Volts	W_{TM} Joules	V Volts	I_{PK}=2.0A Amps	1	10	100	500
34462	V130LA20A	20	130	175	70	340	100	$.59	$.56	$.54	$.52

LA Series Equivalent Radial Leaded Varistors



For more ValuePro Varistors visit www.Jameco.com

✳ Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage RMS $V_{M(AC)}$	Continuous Voltage DC $V_{M(DC)}$	Transient Energy Joules	Maximum Clamping Voltage V_C	Maximum Clamping Voltage $I_{PK(A)}$		Pricing 1	10	100
667059	V130LA20B	20	130	200	140	340	100	✳	$.41	$.359	
667112	V150LA10A	14	150	240	84	395	50	✳	.274	.225	
667121	V150LA20A	20	150	240	170	395	100	✳	.359	.313	

LA Series Radial Leaded Varistors



The LA series of transient voltage suppresors are radial-lead varistors (MOV) that are designed to be operated continuously across AC power lines.

For more Littelfuse LA Series Varistors visit www.Jameco.com

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	Size (Dia.) mm	Continuous Voltage $V_{M(AC)}$	Continuous Voltage $V_{M(DC)}$	Transient Energy Joules	Max. Clamping Voltage V_C	Max. Clamping Voltage $I_{PK(A)}$	Pricing 1	5	50
1776046	V130LA2♠	7	130	175	11	340	10	$.55	$.487	$.455
1762875	V130LA10AP♠	14	130	175	38	340	50	✳	.304	.284
1762883	V130LA20AP	20	130	175	70	340	100	.52	.431	.412
1776054	V150LA10A♠	14	150	200	45	395	50	✳	.365	.327
1763229	V150LA20AP♠	20	150	200	80	395	100	.57	.55	.52
1776062	V250LA20A♠	14	250	330	72	650	50	✳	.274	.265
1763819	V250LA40BP♠	20	250	330	130	620	100	.52	.431	.412
1763940	V275LA2P♠	7	275	369	23	775	10	.50	.413	.31
1763915	V275LA10♠	10	275	369	45	710	25	✳	.278	.265
1763923	V275LA10P♠	10	275	369	45	710	25	✳	.216	.206
1763958	V275LA40AP♠	20	275	369	140	710	100	.57	.477	.45
1776071	V275LA40B♠	20	275	369	140	680	100	.55	.431	.412
1764141	V300LA4P♠	7	300	405	25	775	10	✳	.208	.147
1764192	V320LA40BP♠	20	320	420	150	810	100	.55	.431	.412
1776089	V420LA20A♠	14	420	560	90	1120	50	✳	.40	.36
1764555	V420LA40BP♠	20	420	560	160	1060	100	.56	.51	.48

ZA Series Radial Leaded Varistors



The ZA series of transient voltage surge suppressors are radial lead varistors (MOV) designed for use in the protection of low and medium voltage circuits and systems.

For more Littelfuse ZA Series Varistors visit www.Jameco.com

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	Size (Dia.) mm	Continuous Voltage $V_{M(AC)}$	Continuous Voltage $V_{M(DC)}$	Transient Energy Joules	Max. Clamping Voltage V_C	Max. Clamping Voltage $I_{PK(A)}$	Pricing 1	5	50
1763536	V18ZA1P♠	7	10	14	0.8	36	2.5	✳	$.174	$.16
1764299	V33ZA1♠	7	20	26	1.2	65	2.5	✳	.274	.235
1764310	V33ZA5♠	14	20	26	6	65	10	✳	.274	.265
1776003	V39ZA1♠	7	25	31	1.2	79	2.5	✳	.157	.147
1764441	V39ZA1P♠	7	25	31	1.2	79	2.5	✳	.157	.147
1776011	V39ZA6♠	14	25	31	6	76	10	✳	.333	.323
1776020	V47ZA7♠	14	30	38	8.8	93	10	✳	.357	.339
1764660	V47ZA7P♠	14	30	38	8.8	93	10	✳	.274	.265
1776038	V56ZA2♠	7	35	45	2.3	110	2.5	✳	.253	.215
1764993	V68ZA2P♠	7	40	56	3	135	2.5	✳	.253	.215

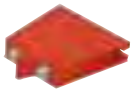
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Varistor, Audio & Modem Coupling Transformers

Littelfuse High Energy Industrial DA Series Varistor

The DA series transient surge suppressors are heavy duty industrial metal-oxide varistors designed to provide surge protection for motor controls and power supplies used in oil drilling, mining and transportation equipment.



Part No.	Product No.	Continuous Voltage $V_{M(AC)}$	Continuous Voltage $V_{M(DC)}$	Transient Energy Joules	Max. Clamping Voltage 200A (V_C)	Pricing 1	Pricing 10	Pricing 100
1764256	V321DA40♠	320	420	460	830	$39.29	$35.10	$31.10

TRIAD PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input
- Size: 5/8"H x 9/32"D x 13/16"L



For more TRIAD Transformers visit www.Jameco.com

Part No.	Product No.	Output (mW)	Impedance (Ω) Primary	Impedance (Ω) Secondary	Primary DC Unbalance	Pricing 1	Pricing 10	Pricing 100
630459	TY-145P	100	600CT	600CT	15mA	$3.75	$3.12	$2.51

Modem Coupling Transformers

125357:
- Insulation resistance: 100MΩ
- Vacuum wax impregnated
- Core type: EI-14 • Hipot tested: 1000VAC
- ±20% impedance matching and DC resistance matching



117760: • Dielectric strength: 1250VAC • Insertion loss: 2.50dB @ 1kHz

Part No.	Cross Ref. No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Pricing 1	Pricing 10	Pricing 100
125357	XFR6006A14	600CT	600CT	65	55	$1.39	$1.31	$1.17
117760	⊕ 671-8014	600	600	108	120	2.39	2.03	1.61

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Passives

Resettable Fuses

Raychem Polyswitch® PTC Resettable Fuses

For more Raychem Fuses visit www.Jameco.com

- Flame retardant epoxy polymer, YL94V-0 rated
- For detailed product datasheet, please see **www.Jameco.com**


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

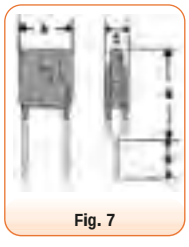

Fig. 7


Fig. 8


Fig. 9

✳ Prepackaged: please order in increments of 5

Part Number	Product Number	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig	Size (mm) A	B	C	D	Pricing 1	5	100
RGE Series (16V/100A max.)											
865952	RGE700♠	7	11.9	1	11.2	19.7	5.8	7.5	★		Call/Web

★ Please call or visit our website for minimum order quantity and pricing.

RUE Series (30VDC/100ADC; 30VAC/70ARMS) NEW

866146	RUEF090♠	0.9	1.8	2	7.4	12.2	5.8	7.6	✳	$.281	$.259
923438	RUE110♠	1.1	2.2	2	7.4	12.2	5.8	7.6	✳	.297	.287
866171	RUEF110♠	1.1	2.2	2	7.4	14.2	5.8	7.6	✳	.281	.265
866200	RUEF135♠	1.35	2.7	2	8.9	13.5	5.8	7.6	.50	.419	.385
923497	RUE185♠	1.85	3.7	2	10.2	15.7	5.8	7.6	.50	.448	.412
866234	RUEF185♠	1.85	3.7	2	10.2	15.7	5.8	7.6	.50	.448	.412
923551	RUE400♠	4	8	1	14	19.3	5.8	7.6	.57	.50	.46
923657	RUEF400♠	4	8	1	14	19.3	5.8	7.6	✳	.388	.363
866322	RUEF600♠	6	12	1	16.5	24.1	10.9	7.6	.51	.46	.41
923614	RUE700	7	14	1	19.1	25.9	10.9	7.6	.54	.48	.43
1400111	RUEF900♠	9	18	1	24.1	29	10.9	7.6	.75	.70	.64

RXE Series (60V/40A max.)

866630	RXEF005♠	0.05	0.1	3	8	8.3	5.8	7.6	✳	$.24	$.224
923673	RXE010♠	0.1	0.2	4	7.4	11.6	5.8	7.6	✳	.265	.251
866664	RXEF010♠	0.1	0.2	4	7.4	11.6	5.8	7.6	✳	.235	.219
866701	RXEF017♠	0.17	0.34	5	7.4	12.7	5.8	7.6	✳	.239	.222
866736	RXEF020♠	0.2	0.4	5	7.4	11.7	5.8	7.6	✳	.242	.226
866761	RXEF025♠	0.25	0.5	5	7.4	12.7	5.8	7.6	✳	.238	.228

RXE Series (72V/40A max.)

923711	RXE020♠	0.2	0.4	5	7.4	11.7	5.8	7.6	✳	$.265	$.238
923737	RXE025♠	0.25	0.5	5	7.4	12.7	4.3	7.6	✳	.284	.257
923753	RXE030♠	0.3	0.6	5	7.4	12.7	4.3	7.6	✳	.356	.323
866808	RXEF030♠	0.3	0.6	5	7.4	12.7	5.8	7.6	✳	.245	.23
923796	RXE050♠	0.5	1	5	7.9	13.7	5.8	7.6	✳	.307	.289

✳ Prepackaged: please order in increments of 5

Part Number	Product Number	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig	Size (mm) A	B	C	D	Pricing 1	5	100
RXE Series (72V/40A max.) (Continued)											
924019	RXEF050♠	0.5	1	5	7.9	13.7	5.8	7.6	✳	$.27	$.254
923833	RXE075♠	0.75	1.5	5	10.2	15.2	5.8	7.6	✳	.409	.371
923850	RXE090♠	0.9	1.8	5	11.2	15.8	5.8	7.6	✳	.414	.376
866921	RXEF090	0.9	1.8	5	11.2	15.8	5.8	7.6	✳	.28	.265
866955	RXEF110♠	1.1	2.2	6	12.8	17.5	5.8	7.6	✳	.282	.265
867026	RXEF185♠	1.85	3.7	6	17.5	22.4	5.8	7.6	✳	.323	.305
924051	RXEF250♠	2.5	5	6	20.8	25.4	10.9	7.6	✳	.36	.338
867077	RXEF300♠	3	6	6	23.9	28.6	10.9	7.6	✳	.387	.365

TRF Series (Fault voltage: 250VRMS) Lower $$$

- Operating voltage: 250VDC • Interrupt current: 3ARMS

867464	TRF600-150♠	0.15	0.3	7	9	12.5	4.6	4.7	$.73	$.67	$.62

MiniSMD Series NEW

- Rating: **1393088**: 60VDC@10A **1393205**: 13.2VDC@100A **1393133**: 30VDC@10A **1393264**: 8VDC@100A **1393150**: 24VDC@100A

1393088	MINISMDC014F-2♠	0.14	0.28	8	4.73	0.89	3.41	0.95	✳	$.292	$.262
1393133	MINISMDC020F-2♠	0.2	0.4	8	4.73	0.89	3.41	0.95	✳	.292	.262
1393150	MINISMDC050F-2♠	0.5	1	8	4.73	0.62	3.41	0.95	✳	.325	.296
1393205	MINISMDC075F-2♠	0.75	1.5	8	4.73	0.62	3.41	0.95	✳	.322	.293
1393264	MINISMDC110F-2♠	1.1	2.2	8	4.73	0.62	3.41	0.95	✳	.272	.248

SMD Series NEW

- Rating: **1369424/1369678**: 60/12/5 VDC@ 10/60/125A **1370038**: 30/12/5 VDC @ 40/60/125A

1369424	SMD050-2♠	0.5	1	9	7.98	3.18	5.44	0.71	✳	$.402	$.362
1369678	SMD050F-2♠	0.5	1	9	7.98	3.18	5.44	0.71	✳	.378	.34
1370038	SMD100-2♠	1.1	2.2	9	7.98	3	5.44	0.74	✳	.402	.362

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

POLYFUSE® PTC Resettable Fuse

The 60R series radial leaded device is designed to provide overcurrent protection for (≤60V) applications where space is not a concern and resettable protection is preferred.



Part No.	Product No.	Hold Current	Trip Current (A)	Dimensions (Ins) Dia.	Height	Lead Length	Lead Spacing	Thickness	Pricing 1	10	100
1712624	60R010♠	0.1	0.2	0.29	0.5	0.3	0.2	0.12	$.53	$.441	$.403

Bourns® MF-R Series PTC Resettable Fuses



- Applications: almost anywhere there is a low voltage power supply and a load to be protected including computers and peripherals, general electronics and automotive applications
- Operating temperature: -40°C to 85°C

MF-R Series

✳ Prepackaged: please order in increments of 5

Part No.	Product No.	V max. @ I max.	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Pricing 1	5	100
776116	MF-R010-0-99 ♠*	60V@40A	0.1	0.2	$.50	$.466	$.392
859376	MF-R050	60V@40A	0.5	1	✳	.338	.318
776167	MF-R050-0-99 *	60V@40A	0.5	1	.51	.47	.43
776175	MF-R075 ♠	60V@40A	0.75	1.5	✳	.338	.318
776183	MF-R090 ♠	60V@40A	0.9	1.8	✳	.338	.318
859384	MF-R110 ♠	30V@40A	1.1	2.2	✳	.338	.318
776239	MF-R185 ♠	30V@40A	1.85	3.7	✳	.375	.353

*See manufacturer's datasheet for marking details

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PTTC fuses are resettable, warranty costs and service calls are largely avoided.

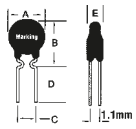


Fig. 1

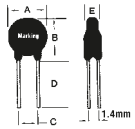


Fig. 2

RA Series

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

Part No.	Mfg. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	Pricing 1	10	100	500
199815	RA010-60	0.10	0.20	1	7.4	12.7	5.1	$.54	$.49	$.47	$.37
199832	RA020-60	0.20	0.40	1	7.4	12.2	5.1	.55	.493	.469	.373
199850	RA025-60	0.25	0.50	1	7.4	12.7	5.1	.50	.458	.416	.337
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	.54	.49	.47	.37
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.58	.55	.51	.38
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.54	.495	.406	.366
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40

More Littelfuse®, Bourns® & ECE Resettable Fuses available at www.Jameco.com

Glass and Ceramic Fuses

- 250V
- 1.25"L x 0.25"Dia.
- UL/CSA/CE


3AG-312


3AG-313


3AB-314

3AG Type Fast Acting Glass Fuses
312 Series

Part No.	Product No.	Amps	1	10	100
652826	312.062HXP	1/16	$1.09	$1.03	$.98
652834	312.100HXP	1/10	.75	.67	.60
652842	312.125HXP	1/8	.83	.77	.73
652851	312.175HXP	0.175	.82	.77	.67
652869	312.187HXP	3/16	.90	.86	.65
652877	312.200HXP	2/10	.80	.76	.67
652885	312.250HXP	1/4	.82	.77	.73
652893	312.300HXP	3/10	.82	.77	.73
652906	312.375HXP	3/8	.41	.39	.38
652914	312.500HXP	1/2	.31	.298	.283
652922	312.600HXP	6/10	.27	.265	.257
652931	312.750HXP	3/4	.27	.265	.257
652949	312001.HXP	1	.25	.226	.186
652957	3121.25HXP	1¼	.23	.197	.186
652965	31201.5HXP	1½	.24	.223	.196
652973	312002.HXP	2	.24	.223	.196
652981	312025.HXP	2½	.24	.223	.196
652990	312003.HXP	3	.24	.223	.196
653010	312005.HXP	5	.28	.263	.25
653028	312006.HXP	6	.28	.263	.25
653036	312007.HXP	7	.28	.263	.25
653044	312008.HXP	8	.362	.351	.341

3AG Type Slow Blow Glass Fuses
313 Series

Part No.	Product No.	Amps	1	10	100
653263	313.010HXP	1/100	$3.29	$3.08	$2.56
653271	313.031HXP	1/32	3.29	3.08	2.56
653280	313.040HXP	4/100	3.29	3.08	2.56
653298	313.062HXP	1/16	1.69	1.58	1.46
653301	313.100HXP	1/10	1.75	1.59	1.47
653319	313.125HXP	1/8	1.75	1.59	1.47
653327	313.150HXP	15/100	1.75	1.59	1.47
653335	313.187HXP	3/16	1.45	1.38	1.31
653343	313.200HXP	2/10	1.45	1.38	1.31
653351	313.250HXP	1/2	.98	.92	.88
653360	313.300HXP	3/10	.95	.92	.88
653378	313.375HXP	3/8	.95	.91	.88
653386	313.400HXP	4/10	1.29	1.25	1.18
653394	313.500HXP	1/2	.89	.89	.84
653407	313.600HXP	6/10	.89	.89	.84
653415	313.700HXP	7/10	.89	.89	.84
653423	313.750HXP	3/4	.89	.89	.84
653431	313.800HXP	8/10	.89	.89	.84
653440	313001HXP	1	.89	.85	.81
653458	31301.2HXP	1 2/10	.75	.68	.64
653466	3131.25HXP	1	.69	.66	.63
653474	31301.5HXP	1	.75	.68	.64
653482	31301.6HXP	1 6/10	.55	.47	.425
653491	313002HXP	2	.85	.85	.81
653511	313003HXP	3	.76	.75	.74
653520	31303.2HXP	3 2/10	.74	.68	.66
653546	313005HXP	5	.84	.79	.74
653554	3136.25HXP	6¼	.84	.79	.74

3AG Type Slow Blow Glass Fuses
313 Series (Continued)

Part No.	Product No.	Amps	1	10	100
653562	31306.3HXP	6 3/10	$.62	$.56	$.50
653571	313007HXP	7	.84	.79	.74
653589	313008HXP	8	.84	.79	.74
653597	313010HXP *	10	1.05	1.00	.95
653600	313012HXP *	12	1.25	1.22	1.20
653618	313015HXP *	15	1.25	1.22	1.20
653626	313020HXP *	20	1.25	1.22	1.20
653634	313025HXP *	25	1.09	1.01	.94
653642	313030HXP *	30	1.08	1.01	.95

*Rated 32V

3AB Type Fast Acting Ceramic Fuses
314 Series

Part No.	Product No.	Amps	1	10	100
656827	314.125HXP	1/8	$1.25	$1.11	$1.05
656835	314.250HXP	1/4	1.15	1.09	1.01
656843	314.500HXP	1/2	.99	.95	.90
656851	314.750HXP	3/4	.80	.76	.72
656860	314001HXP	1	.71	.68	.63
656878	314002.HXP	2	.72	.68	.65
656886	314003.HXP	3	.71	.67	.63
656894	314004.HXP	4	.71	.67	.63
656915	314005.HXP	5	.71	.67	.63
656923	314006.HXP	6	.71	.67	.63
656931	314007.HXP	7	.71	.67	.63
656940	314008.HXP	8	.83	.82	.76
656958	314010.HXP	10	.83	.82	.76
656966	314012.HXP	12	.73	.68	.63
656991	314025.HXP	25	1.06	1.00	.92
657002	314030.HXP	30	1.06	1.00	.92

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Littelfuse Blade Fuses

ATO® Blade Fuses



1710522 1710549 1710590 1710565

- Voltage rating: 32VDC
- Interrupting ratings: 1000A @ 32VDC
- Operating temperature range: -40°C to 125°C
- **Minimum order 5 pieces**

Part No.	Product No.	Amps	Color	5	50
1710522	257002.PXPV ♻♠	2.0	Gray	$.288	$.27
1710549	257005.PXPV ♻♠	5.0	Brown	.368	.348
1710590	257007.5PXPV ♻♠	7.5	Dk brown	.38	.35
1710557	257010.PXPV ♻♠	10.0	Red	.421	.353
1710565	257015.PXPV ♻♠	15.0	Aqua	.368	.308
1710573	257025.PXPV ♻♠	25.0	White	.252	.234
1710581	257040.PXPV ♻♠	40.0	Orange	.384	.353

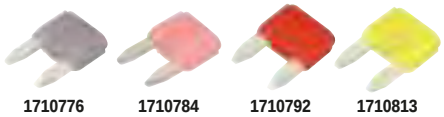
MIDI® Blade Terminal



- Size: 41mmL x 12mmW x 8mmH

Part No.	Product No.	Amps	1	10	100
1712587	498040.M ♻♠	40.0	$4.99	$4.66	$4.31

Mini® Blade Fuses

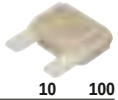


1710776 1710784 1710792 1710813

- **Prepackaged: please order in increments of 5**

Part No.	Product No.	Amps	Color	5	50
1710768	297002.WXVN ♻♠	2.0	Gray	$.447	$.41
1710776	297003.WXNV ♻♠	3.0	Violet	.447	.41
1710784	297004.WXNV ♻♠	4.0	Pink	.447	.41
1710792	297010.WXNV ♻♠	10.0	Red	.447	.41
1710805	297015.WXNV ♻♠	15.0	Aqua	.447	.41
1710813	297020.WXNV ♻♠	20.0	Yellow	.447	.41

MAXI™ Blade Fuse



- Color: white

Part No.	Product No.	Amps	1	10	100
1710899	299080.ZXNV ♻♠	80	$2.65	$2.47	$2.28

Littelfuse 3AB SLO-BLO® Fuses

326 Series



- 250V • Body: ceramic
- UL/CSA • 1.25"L x 0.25"Dia.

Part No.	Product No.	Amps	1	10	100
1711621	326015.HXP ♻♠	15	$1.28	$1.20	$.99

217 Series 5mm x 20mm Fast Acting Fuses



- 250V • Body: glass
- UL/CSA/VDE/CE
- 5mm x 20mm
- **Prepackaged: please order in increments of 5**

Part No.	Product No.	Amps	5	50
1709450	217001.HXP ♻♠	1	$.245	$.225
1709468	217002.H ♠	2	.245	.225

Littelfuse 3AB SLO-BLO® Fuses (Cont.)

218 Series 5mm x 20mm Time Lag Fuses



- 250V • Body: glass
- UL/CSA/CE
- 5mm x 20mm

Part No.	Product No.	Amps	1	10	100
1709581	218.200HXP ♻♠	0.20	$1.15	$1.06	$.88
1709599	218.250HXP ♻	0.25	1.15	1.06	.88
1709628	218.400HXP ♻♠	0.40	1.15	1.06	.88
1709644	218.500HXP ♻♠	0.50	.77	.73	.60
1709687	218001.H ♠	1.00	.61	.56	.53
1709695	218001.HXP ♻♠	1.00	.77	.73	.68
1709708	218002.HXP ♻♠	2.00	.77	.73	.60
1709812	21802.5HXP ♠	2.50	.90	.81	.73
1709724	218005.H ♠	5.00	.97	.87	.78

273 Series Micro™ Very Fast Acting Type



- 125V • UL/CSA • Body: glass
- Operating temp. range: -55°C to 85°C
- Size: 0.25"D x 0.35"H x 0.17" lead length x 0.1" lead spacing

Part No.	Product No.	Amps	1	10	100
1710653	273.050H ♻♠	1/20	$4.25	$3.86	$3.47
1710670	273.500H ♻♠	1/2	4.19	3.80	3.40
1710688	273.750H ♻♠	3/4	4.25	3.86	3.47
1710696	273001.H ♻♠	1	4.19	3.81	3.43
1710709	273002.H ♻♠	2	4.19	3.81	3.43
1710717	273004.H ♻♠	4	4.19	3.81	3.43

Littelfuse Subminiature Fuses



TR5

- Base/cap: brown thermoplastic polyamide PA 6.6, UL94V-0
- Round pins: copper, tin plated
- Operating temp. range: -40°C to 85°C

No. 372/TR5® Time Lag

- Size: 8.5mm D x 8mm H x 4.3mm lead length x 5.08mm lead spacing • 250V • UL/CUL/VDE

Part No.	Product No.	Amps	1	10	100
1713459	3721200041 ♠	2.0	$.52	$.469	$.431
1713483	3721400041 ♠	4.0	.65	.60	.45
1713491	3721500041 ♠	5.0	.65	.60	.45

No. 374/TR5® Time Lag

- Size: 8.5mm D x 8mm H x 4.3mm lead length x 5.08mm lead spacing • 250V • UL/CUL/CSA

Part No.	Product No.	Amps	1	10	100
1713580	3740500041 ♠	0.5	$.85	$.79	$.59

No. 373/TR5® Quick Acting

- Size: 8.5mm D x 8mm H x 4.3mm lead length x 5.08mm lead spacing • 250V • UL/CUL/CSA

Part No.	Product No.	Amps	1	10	100
1713504	3730050041 ♠	0.500	$3.85	$3.58	$2.68
1713512	3730125041 ♠	0.125	.85	.79	.59
1713547	3731315041 ♠	3.150	.85	.79	.59

No. 396/TE5® Time Lag



- 4mm D x 8mm H x 4.3mm lead length x5.08mm lead spacing
- 125V • UL/CUL

Part No.	Product No.	Amps	1	10	100
1713766	3961100044 ♠	1.0	$.94	$.87	$.65

Bussmann Fuses



AGC (3AG) Fast Acting Glass Fuses

- Glass tube, nickel-plated brass endcaps
- 250V • 1/4" x 1 1/4" • UL/CSA ✳ **Minimum order 10 pieces**

Part No.	Product No.	Amp	1	10	100
1769153	AGC-1/2-R ♻♠	1/2	$1.09	$.97	$.88
1769196	AGC-2-R ♻♠	2.0	.68	.62	.55
1769209	AGC-3 ♠	3.0	✳	.24	.22

ATC Automotive Blade Fast Acting Fuses

- Volt. rating: 32VDC • Interrupting rating: 1000A

Part No.	Product No.	Amp	Color	1	10	100
1769313	ATC-5 ♻♠	5.0	Tan	$.87	$.62	$.59
1769268	ATC-15 ♻♠	15.0	Blue	.87	.62	.59

GDB Fast Acting Glass Fuses

- 250V • UL/VDE • 5mm x 20mm

Part No.	Product No.	Amp	1	5	100
1769436	GDB-1A ♠	1.0	$.149	$.158	$.149
1769452	GDB-6.3A ♠	6.3	.149	.158	.149

GDC Time Delay Glass Fuses

- 250V • UL/VDE • 5mm x 20mm

Part No.	Product No.	Amp	1	10	100
1769532	GDC-500mA♠	0.500	$.77	$.61	$.58
1769487	GDC-1A♠	1.0	.70	.51	.47
1769479	GDC-1.6A♠	1.6	.70	.50	.47
1769495	GDC-2A♠	2.0	.70	.50	.47
1769508	GDC-3.15A♠	3.15	.76	.61	.56
1769524	GDC-4A♠	4.0	.70	.51	.47
1769541	GDC-5A♠	5.0	.76	.61	.56
1769559	GDC-6.3A♠	6.3	.67	.58	.55

GDA Fast Acting Ceramic Fuse

- 250V • UL/VDE • 5mm x 20mm

Part No.	Product No.	Amp	1	10	100
1769381	GDA-3.15A ♠	3.15	$1.06	$.95	$.83

GMA Fast Acting Glass Fuses

- 250V • UL/CSA • 5mm x 20mm

Minimum order 10 pieces

Part No.	Product No.	Amp	10	100
1769583	GMA-1-R ♻♠	1.0	$.091	$.082
1769591	GMA-3-R ♻	3.0	.091	.082

GMT Fast Acting Indicating Fuses

- Voltage rating: 60VDC, 125VAC • UL
- Interrupting rating: 450A @ 60VDC; 300A @ 125VAC
- Body material: thermoplastic, UL94V-0
- Terminals: tin-plated beryllium copper

Part No.	Product No.	Amp	Color	1	10	100
1769639	GMT-1A ♻♠	1.0	Gray	$2.09	$1.67	$1.51
1769647	GMT-2A ♻♠	2.0	Orange	2.09	1.67	1.51
1769663	GMT-3A ♻♠	3.0	Blue	2.09	1.67	1.59
1769671	GMT-5A ♻♠	5.0	Green	2.09	1.67	1.59
1769680	GMT-7.5A ♻♠	7.5	Blk/Whi	2.09	1.67	1.59
1769621	GMT-10A ♻♠	10.0	Red/Whi	2.09	1.67	1.50

Minimum order 5 pieces

Part No.	Product No.	Amp	5	100
1769698	GMT-X ♻♠	Fuse cover for GMT Series	$.40	$.36

MDA Time Delay Ceramic Fuse

- 250VAC / 125VDC • UL/CSA • 1/4" x 1 1/4"

Part No.	Product No.	Amp	1	10	100
1770154	MDA-20♠	20.0	$1.35	$.97	$.93

MDL Time Delay Glass Fuses

- 250V • UL/CSA • 1/4" x 1 1/4"

Part No.	Product No.	Amp	1	10	100
1770218	MDL-1-R ♻♠	1.0	$1.01	$.85	$.70
1770226	MDL-2♠	2.0	.76	.60	.54
1770251	MDL-2-R ♻♠	2.0	.77	.65	.53
1770285	MDL-5♠	5.0	.77	.56	.54
1770293	MDL-5-R ♻♠	5.0	.77	.65	.53

www.Jameco.com

For more Major Brand Fuses visit our website today.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Bussmann Fuses (Continued)

PC-Tron® Series Subminiature PCB Type Fuse

- PCC Series: 250VAC/450VDC • UL/CSA
- PCE Series: 125VAC/250VDC • Body: plastic
- Size: 0.35"W x 0.32"H x 0.1" Lead Length x 0.2" Lead spacing • Leads: tin-plated copper

Part No.	Product No.	Amp	1	10	100
1770357	PCC-1♠	1.0	$1.69	$1.35	$1.28
1770373	PCC-2♠	2.0	1.65	1.33	1.26
1770381	PCC-3♠	3.0	1.65	1.35	1.28
1770402	PCE-5♠	5.0	1.68	1.35	1.28

Part No.	Product No.	Description	1	10	100
1770429	PCS♻♠	PCB Socket	$.63	$.50	$.48

KTK Limitron® Fast Acting Fuse

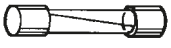


- 600VAC • UL/CSA • 0.41"D x 1.5"L

Part No.	Product No.	Amp	1	10	100
1772897	KTK-30♠	30.0	$14.49	$13.19	$12.47

JAMECO ValuePro 1¼" x ¼" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses



- **Prepackaged: please order in increments of 10**

Part No.	Amps	Cross Ref.	10	100	1000
69404	250mA ♻	AGC-250mA	$.349	$.314	$.279
10410	500mA ⊕	AGC-1/2	.23	.21	.17
10373	1A ♻	AGC-1	.341	.205	.188
197528	1.6A ⊕	AGC-1.6	.198	.158	.119
10382	2A ♻	AGC-2	.24	.144	.132
197536	2.5A ⊕	AGC-21/2	.26	.12	.10
69439	3A ♻	AGC-3	.334	.201	.184
197544	4A ⊕	AGC-4	.264	.24	.216
10401	5A ⊕	AGC-5	.22	.20	.18
197552	6.3A ⊕	AGC-6.3	.264	.24	.216
69462	10A ⊕	AGC-10	.30	.264	.24
186301	16A	—	.25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses



Part No.	Amps	Cross Ref.	1	10	100	1000
25654	250mA ⊕	MDL-1/4	$.62	$.56	$.446	$.335
25689	500mA ⊕	MDL-1/2	.75	.63	.535	.396
25639	1A ♻	MDL-1	1.15	.99	.84	.62
25646	2A	MDL-2	.65	.57	.54	.468
69535	3A ♻	MDL-3	.55	.44	.34	.28
25672	5A ♻	MDL-5	.69	.543	.42	.346
69570	10A ♻	MDL-10	.90	.78	.62	.48

JAMECO ValuePro 5mm x 20mm Mini Fuses

Fast Acting Fuses (250V) GMA Fuses



- Recommended for new designs
- **Prepackaged: please order in increments of 10**

Part No.	Amps	Cross Ref.	10	100	500	1000
103887	250mA ♻	GMA-250mA	$.24	$.18	$.132	$.12
102041	500mA ♻	GMA-500mA	.22	.165	.121	.11
103907	1A ⊕	GMA-1	.20	.15	.11	.10
103916	2A ♻	GMA-2	.305	.22	.159	.147
103924	3A ♻	GMA-3	.335	.251	.184	.167
103932	5A ♻	GMA-5	.178	.158	.153	.122

Slow Blow Fuses (250V) GMD Fuses



- **Prepackaged: please order in increments of 10**

Part No.	Amps	Cross Ref.	10	100	1000
197502	500mA ♻	GMD-500mA	$.369	$.331	$.293
197465	1A ♻	GMD-1	.43	.385	.341
197472	2A ⊕	GMD-2	.35	.32	.29
197482	3.15A ♻	GMD-3.15	.40	.36	.33
197500	5A ♻	GMD-5	.468	.428	.388

Bussmann Fuse Holder & Clips

HKP Panel Mount Fuse Holders



1769807

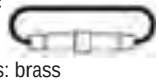
- Max. panel thickness: 5/16" (7.9mm)
- Body/cap/nut: thermoplastic, UL94 HB • UL/CSA
- Bayonet type knob • Terminal: tin-plated brass

1769807: • Size: 2.31"L x 0.69"D • Solder eyelet

1769815: • Size: 2.64"L x 0.69"D • 1/4 quick connect

Part No.	Product No.	Rating	1	10	100
1769807	HKP♠	250V, 30A	$2.55	$1.85	$1.75
1769815	HKP-HH♠	250V, 15A	3.19	2.43	2.43

HHT In-Line Fuse Holder for 5mm x 15mm & 5mm x 20mm Fuses



- Body material: black, thermoplastic
- Wire leads: 13" 16AWG 0.14" OD red
- Size: 1.84"L x 0.42"D • Terminals: brass
- Rating: 5mm x 15mm – 5A @ 32VDC; 5mm x 20mm – 10A @ 32VDC

Part No.	Product No.	1	10	100
1769794	HHT♻♠	$1.99	$1.72	$1.56

Fuse Clips PCB Type for ATC 5mm, 1/4" and 13/32" Diameter Fuses



With End Stops and Straight Leads for 1/4"Dia. Fuses

- Finish: silver • Clip material: beryllium copper

Part No.	Product No.	1	10	100
1769022	1A1907-05♻♠	$.50	$.40	$.38

With Straight Leads for 5mm Diameter Fuses



Prepackaged: please order in increments of 5

Part No.	Product No.	5	100
1769065	1A3399-10 ♠	$.129	$.118

For ATC Fuses (0-20A)



- Clip material: cartridge brass

Prepackaged: please order in increments of 5

Part No.	Product No.	Finish	5	100
1769102	1A5600♻♠	Satin finish tin	$.32	$.30

Keystone Fuse Holders & Clips

Automotive

1581839



1582487



- Vertical entry
- Dual Fuses: UL9V-0
- Current rating: 30A @ 500VAC (except P/N 1581863: 60A @ 500VAC)

✳ **Minimum order 10 pieces**

Part No.	Product No.	Description	1	10	50
1581839	3522♻	Dual, brass, tin plated .... ✳	$.116	$.104	
1582479	3522-2♻	Single, brass, tin plated	.62	.52	.41
1582487	3544-2♻	"Mini", dual, brass, tin nickel plated	.76	.72	.49
1581863	3555♻	"Maxi", single, brass, tin nickel plated	.23	.184	.179

5mm Fuse Clips



1581855

- PC mount • Material: brass, tin plated

Minimum order 5 pieces

Part No.	Product No.	Description	5	50
1581812	3517♻	Single, end stop, 15A ...	$.108	$.102
1582461	3518P♻	Single, orient. leg, 15A ..	.147	.144
1581821	3519♻	Single, orient. leg, 10A ..	.087	.078
1581855	3529♻	Single, end stop, 10A	.095	.089

5mm Fuse Holder

1581871



- PC Mount • Low profile
- Material: nylon, UL9V-0

Minimum order 5 pieces

Part No.	Product No.	Description	5	50
1581871	4527♻	Holder, 5A @ 250VAC	$.333	$.312
1582495	4527-C♻	Cover	.137	.13

Littelfuse Fuse Holders & Clips

Panel Mount



Traditional Style for 3AG Fuses

- Dielectric strength: 2400V min.
- Knob: bayonet style with lettering
- Molded parts: black thermoplastic, UL94V-0
- Current rating: 20A • Solder terminals
- Terminals: copper & copper alloy, tin plated

Part No.	Product No.	1	10	100
1711681	342012♻♠	$2.65	$2.49	$2.07

For Midget Fuses

- Electrical rating: 30A up to 600V • UL/CSA
- Dielectric strength: 4000V min. • Mounting: flange
- Knob: screw type with engraved markings
- Terminals: brass, tin plated • Length range: 1 13/32" - 1½"
- Molded parts: black thermoplastic, UL94V-0

Part No.	Product No.	Description	1	10	100
1712616	571007♻♠	Straight term.	$5.29	$4.96	$4.53

Panel Mount Blade Fuse Holders



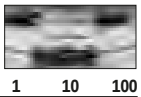
1708861

For Mini® Style Blade Fuses

- Rating: 15A

Part No.	Product No.	Description	1	10	100
1708861	153007♻♠	Horizontal	$1.29	$1.21	$1.12
1708879	153009♻♠	Stackable vert. ..	1.29	1.21	1.12

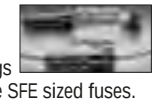
Twist-Lock Universal In-Line Fuse Holder



- 8" loop of #14AWG red vinyl insulated wire and 2 springs in different lengths to accommodate SFE sized fuses

Part No.	Product No.	1	10	100
1708959	155100♻	$2.09	$1.97	$1.64

Heavy Duty Bayonet Knob Universal In-line Fuse Holder



- Supplied with 15" loop #14AWG red vinyl insulated wire and three springs in different lengths to accommodate SFE sized fuses.

Part No.	Product No.	1	10	100
1708810	150145♻♠	$2.85	$2.64	$2.20

Metric Omni-Blok® Fuse Block for 5mm x 20mm Fuses



- Dielectric strength: 1500V min.
- PCB mount
- Clip/terminals: tin plated spring brass
- Base: glass reinforced thermoplastic, UL94V-0, black
- Electrical rating: (UL/CSA) – 10A, 300V; (VDE/Semko) – 6.3A, 250V • Width: 0.40"

Part No.	Product No.	Terminals	1	10	100
1712608	520101♻♠	Brass	$.89	$.83	$.77

Fuse Clips for 3AG Type 1/4" Dia. Traditional Style PCB



- Finish: tin-plate (P/N 1708799: silver-plate)

✳ **Minimum order 10 pieces**

Part No.	Product No.	Clip Material	Style	1	10	100
1708705	102070♻♠	Spring brass	Ear ..... ✳	$.127	$.108	
1708713	102074♻♠	Spring brass	Earless ✳	.158	.156	
1708799	122083♻♠	Beryllium copper	Ear ...	.54	.50	.42

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♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Fuse Holders & Fuse Clips (Continued)

Bowed Tab PCB

Lower $$$

- Clip material: spring brass
- Ear style

✳ Minimum order 10 pieces



Part No.	Product No.	1	10	100
1708748	102079 ♻ ♠ ✳	$.25	$.218	

Subminiature Fuse Holders No. 560 for TR5®/TE5® Fuses



- PCB Mount, 5.08mm pin spacing
- Terminals: tinned copper alloy
- Electrical rating: 250V, 6.3A, 1.6W
- Holder: thermoplastic UL94V-0, polyester PCT

✳ Minimum order 10 pieces

Part No.	Product No.	1	10	100
1716887	5600000100 ♻ ♠	$.62	$.57	$.42
1716895	5600000131 ♻ ♠ ✳	.46	.435	

No. 559 for TR5®/TE5® Leadfree



- PCB Mount, 7.18mm pin spacing
- Electrical rating: 250V, 6.3A, 1.6W
- Holder: black thermoplastic, UL94V-0, polyamide PA 6.6 • Terminals: tinned copper alloy

✳ Minimum order 10 pieces

Part No.	Product No.	1	10	100
1716844	5590000000 ♠ ✳	$.38	$.346	

Vertical PCB Mount Fuse Holders for Micro® Fuse or PICO® II Fuse



- Terminals: copper alloy
- Molded parts: white thermoplastic
- Electrical rating: 5A for voltage up to 125V

Part No.	Product No.	Term. Plating	1	10	100
1710725	281005 ♻ ♠	Silver	$1.95	$1.82	$1.50
1710741	281008 ♻ ♠	Tin	1.99	1.89	1.56

3AG Omni-Blok® Molded Base Type Fuse Block



- Dielectric strength: 1500V min.
- Clip/terminals: tin-plated spring brass • Terminal: solder
- Base: glass reinforced thermoplastic, gray, UL94V-0

Part No.	Product No.	Curr. Rating	1	10	100
1711947	354001-GY ♻	15A, 300V	$.82	$.76	$.64

Shock-Safe Fuse Holders for 3AG or 5mm x 20mm Fuses



- Electrical rating: (UL) – 16A, 250V; (CSA) – 15A, 250V; (VDE) – 10A, 250V
- Insulation resistance: 10,000Mfl min. @ 500VDC
- Dielectric strength: 4000V min.
- Terminals: brass, tin plated • PCB mounting
- Contact resistance: less than 5mfl average @ 1A
- Molded body: glass filled thermoplastic, UL94V-0
- Knob: screwdriver slot, fuse extractor type with nickel-plated copper alloy inserts, spring loaded, bayonet style • Approvals: UL/CSA/VDE
- Knob material: gray or black glass filled thermoplastic, UL94V-0

1711761/1711787: Knob only; **1711779**: Assembly

Part No.	Product No.	Fuse Size	1	10	100
1711761	345101-020 ♻	1/4" x 1 1/4"	$1.01	$.94	$.78
1711779	345121 ♻ ♠	5mm x 20mm	3.75	3.51	2.92
1711787	345121-020 ♻ ♠	5mm x 20mm	1.43	1.35	1.22

5mm x 20mm Miniature Low Profile Fuse Holder



- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat

Part No.	Description	1	10	100
102832	Fuse holder UL/CSA ⊕	$2.95	$2.69	$2.39

In-Line Fuse Holders



102868

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108784 orange

✪ Blue Part No. = Limited Quantity Available

1¼" x ¼" Standard

Part No.	AWG	Wire Lgths	Body Size(L)	Body Color	1	10	100
109322	22 ♻	3.5/3"	2.4"	Black	$.78	$.70	$.63
102868	20 ♻	3/8"	2.2"	White	.78	.70	.58
151918	18 ♻	6/6"	2.4"	White	1.19	1.02	.78
108783	16 ⊕ ✪	21/26"	2.2"	Black	1.49	1.24	1.09
108784	16 ♻	21/26"	2.2"	Black	1.79	1.63	1.49
108791	14 ⊕ ✪	19/25"	2.5"	Black	2.45	1.79	1.69

5mm x 20mm Miniature

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20 ⊕	Red	1.8"L	$.69	$.56	$.45

More Littelfuse® and ValuePro Fuse Holders & Clips available at www.Jameco.com

Panel Mount Fuse Holders

1¼" x ¼" Standard Thumbscrew Cap

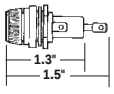


18703

- Straight solder terminal; 10A @ 250VAC

Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120994	— ♻	1.95"L x .71"Dia.	.58"Dia. (Double D-style)	$.95	$.83	$.66	$.59
18703	UL/CSA ♻	2.05"L x .71"Dia.	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.15	.99

5mm x 20mm Miniature Thumbscrew Cap



102825

- Straight solder terminal
- Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150464	— ♻	6A @ 250VAC	.50"Dia. x .43"Flat	$1.09	$.93	$.81	$.62
102825	UL/CSA ♻	10A @ 250VAC	.50"Dia.	1.19	.99	.87	.71

Fuse Clips



Fig. 1



Fig. 2

- Low contact resistance • Low profile
- Withstands shock/vibration
- **Prepackaged: please order in increments of 10**

Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102860	5mm, front leads ♻	1	.37 x .25 x .21 x .19	$.162	$.122	$.068
102842	1/4", front leads (10A) ♻	2	.32 x .27 x .25 x .23	.09	.08	.07

Ceramic Resonator

- Frequency accuracy: ±0.5% @ 25°C • Wide frequency range • High stability
- Extended temperature range: -20°C to +85°C
- Temperature stability: ±0.3% • Low profile
- Aging for 10 years: ± 0.3% • Drive level: 0.5mw
- Withstanding voltage (5 sec.): 100V max.
- Resonant resistance: 55Ω max.



Part No.	Comparable to:	Freqency (MHz)	Pins	Pricing 1	10	100
324671	TZTT-20.00MT ⊕	20.0	3	$.45	$.40	$.32

Oscillators and Crystals

For more Epson Oscillators & Crystals visit www.Jameco.com

SMD High Frequency Crystal Oscillators

NEW



- High density mounting type
- General purpose with heat resisting cylindrical AT cut crystal unit
- Low current consumption by output enable (OE) or standby function (ST)
- Operating temp.: -20°C to 70°C • Aging: ±5 x 10^{-6}/year max.

Part No.	Product No.	Freq. (MHz)	Op. Volt.	Current Consump.	Output Load	Pricing 1	10	100
1914496	SG-615P 10.0000MC ♠	10	5V (±0.5)	23mA max.	50pF max.	$3.45	$2.97	$2.47
1914550	SG-615P 16.0000MC ♠	16	5V (±0.5)	23mA max.	50pF max.	3.45	2.47	2.21
1914576	SG-615P 20.0000MC ♠	20	5V (±0.5)	23mA max.	50pF max.	3.45	2.47	2.23

Small SMD Low/Medium Frequency Crystal Unit



- High density mounting type
- Operating temp.: -40°C to 75°C
- Load capacitance: 6pF to ∞ (12.5pF standard) • Aging: ±5 x 10^{-6}/year max.

Part No.	Product No.	Frequency (kHz)	Series Resistance	Drive Level	Pricing 1	10	100
1867335	MC-306 32.7680K-A ♠	32.768	50kΩ max.	1µW max.	$.94	$.66	$.60

SMD High Frequency Crystal Unit



- Operating temp.: -20°C to 75°C
- Load capacitance: 10pF fundamental • Aging: ±5 x 10^{-6}/year max.

Part No.	Product No.	Frequency (MHz)	Series Resistance	Drive Level	Pricing 1	10	100
1866877	MA-506 16.000M-C ♠	16	40Ω max.	2mW max.	$1.11	$.79	$.71
1866826	MA-505 25.000M-C ♠	25	40Ω max.	2mW max.	1.11	.79	.71

Cylinder Low/Medium Frequency Crystal Unit



- Operating temp.: -10°C to 60°C • Tolerance: ±20ppm
- Load capacitance: 6pF to ∞ • Aging: ±3ppm/year max.

✳ Minimum order 10 pieces

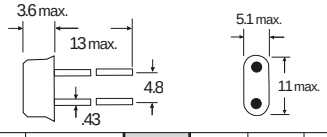
Part No.	Product No.	Frequency (kHz)	Series Resistance	Drive Level	Pricing 1	10	100
1846825	C-002RX 32.7680K-E ♠	32.768	45kΩ max.	1mW max.	✳	$.215	$.201
1846817	C-002RX 32.7680K-A ♠	32.768	45kΩ max.	1mW max.	✳	.224	.21
1846796	C-001R 32.7680K-A ♠	32.768	45kΩ max.	1mW max.	✳	.215	.201

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

HC49/S Case (Low Profile Crystals)

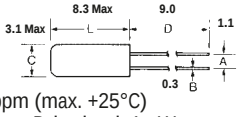
- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10˚C to +60˚C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ±5ppm/year max.
- Frequency stability tolerance: ±50ppm



Part No.	Comparable:	Freq. (MHz)	Imped.	Max. Resist.	Pricing 1	Pricing 10
137832	CY4LP	4.000	17pF	120Ω	$.46	$.345
137875	CY11.05LP	11.0592	Series	50Ω	1.05	.81
137891	CY16LP	16.000	Series	40Ω	.42	.384

Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency tolerance: ±20ppm
- Aging for first year: ±3ppm (max. +25°C)
- Frequency: 32.768kHz • Drive level: 1mW



Part No.	Comparable to:	Imped.	1	10	100	1000
14584	CY32.76	10.5pF	$.89	$.79	$.69	$.52

HC49/U Type Crystals

- Frequency tolerance @ 25°C: ±30ppm
- Frequency stability: ±50ppm
- Operating temperature: -20˚C to 70˚C
- Dimensions: 11.05mmW (max.) x 13.46mmH (max)

✳ Prepackaged: please order in increments of 5

Part No.	Prod. No.	Freq.	Imped.	1	5	100
1592546	FOX18S♠	1.8432	13pF	$1.39	$1.23	$1.04
1592571	FOX040♠	4.0	20pF	✳	.459	.37
1592669	FOX07320♠	7.3728	20pF	✳	.36	.34
1592677	FOX080♠	8.0	Series	✳	.35	.32
1592685	FOX08020♠	8.0	20pF	✳	.46	.37
1592765	FOX14720♠	14.7456	20pF	✳	.35	.33
1592773	FOX16020♠	16.0	20pF	✳	.45	.37

SMD Oscillators

3.3V HCMOS output



- Standby function
- Frequency stability: ±100ppm
- Operating temp.: -10°C to 70°C
- Dimensions: 7.5mmW x 1.5mmH x 2mmD

Part No.	Product No.	Freq. (MHz)	Input Current	Pricing 1	Pricing 10	Pricing 100
1592415	F4100-200♠	20	15mA	$4.65	$4.35	$4.21
1592440	F4100-330♠	33.33	20mA	4.65	4.35	4.21
1592466	F4100-400♠	40	20mA	4.65	4.35	4.21
1592491	F4100-500♠	50	20mA	4.75	4.48	4.33
1592511	F4100-600♠	66	25mA	1.79	1.65	1.55
1592520	F4100-666♠	66.6	25mA	5.39	5.05	4.88

5.0V HCMOS/TTL output



- Supply voltage: 5V
- Tri-state enable/disable
- Operating temp.: -10°C to 70°C
- Frequency stability: ±100ppm
- Dimensions: 7.5mmW x 1.5mmH x 5.2mmD

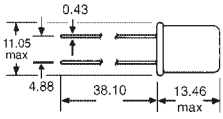
Part No.	Product No.	Freq. (MHz)	Imped.	Pricing 1	Pricing 10	Pricing 100
1592255	F3345-160♠	16	25mA	$4.45	$3.88	$3.28
1592263	F3345-200♠	20	25mA	1.69	1.60	1.53
1592301	F3345-400♠	40	45mA	4.45	3.88	3.28

Crystals

- Frequency calibration tolerance: ±50ppm @ 25°C
- Drive level: 4.0mW maximum
- Frequency stability tolerance: ±50ppm from -10°C to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF maximum

✪ Blue Part No. = Limited Quantity Available

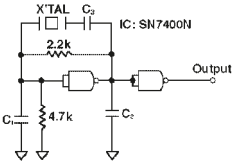
For more ValuePro Crystals visit www.Jameco.com



HC49/U (HC18/U) Case

Dimensions in millimeters

Quantity SAVE



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

Application Reference (4~14MHz) (parallel resonance)

HC49/U (HC18/U) Case

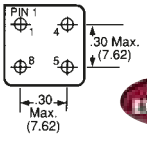
Part No.	Frequency (MHz)	Impedance	Pricing 1	Pricing 10	Pricing 100
324275	2.0 ⊕ ✪	20pF	$.95	$.90	$.82
324364	4.0	Series	.31	.284	.274
324110	11.0592 ⊕	32pF	.22	.199	.175
324268	20.0	20pF	.35	.299	.274
Other Manufacturers					
102613	1.8432	18pF	$1.19	$1.10	$.82
101274	2.4576	32pF	.71	.68	.54
14525	3.2768	18pF	.32	.292	.266
14533	3.579545	18pF	.40	.37	.29
14592	4.0	20pF	.59	.54	.41
14728	8.0	Series	.38	.35	.31
14381	10.0	Series	.79	.69	.59
120061	11.0592	Series	.80	.71	.68
14402	12.0	Series	.80	.68	.50
14517	20.0	Series	.79	.69	.59

TTL Oscillators (Half Can)

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 676385, below left
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.





Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	Pricing 10	Pricing 100
325526	4.0 ⊕	15mA	10ns	$1.59	$1.46	$1.08
354829	10.0 ⊕	25mA	5ns	1.65	1.53	1.22
325665	20.0 ⊕	30mA	10ns	1.65	1.47	1.22
325730	40.0	70mA	5ns	1.65	1.48	1.29
325737	48.0 ⊕	70mA	5ns	1.39	1.18	.89
Other Manufacturers						
325462	1.0	15mA	10ns	$1.49	$1.34	$1.17
325489	1.8432	15mA	10ns	1.49	1.34	1.17
102779	10.0	45mA	6ns	1.75	1.58	1.25

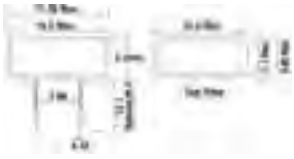
Crystal Oscillator Socket



- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins • 8-pin size
- Good for prototyping and PCB mounting

Part No.	Description	1	10	100
676385	Half can size	$.51	$.42	$.33

HC49/US Low Profile Case



HC49/US Low Profile Case

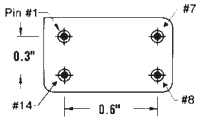
Part No.	Frequency (MHz)	Impedance	Pricing 1	Pricing 10	Pricing 100
324962	4.0	20pF	$.36	$.325	$.31
325113	18.432	20pF	.47	.428	.384
325068	20.0	20pF	.36	.325	.31
325025	24.0	20pF	.62	.57	.50

TTL Oscillators (Full Can)

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006, web
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.





Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	Pricing 10	Pricing 100
354889	4.0	15mA	10ns	$1.55	$1.40	$1.28
354897	8.0	30mA	10ns	1.35	1.22	1.17
354845	16.0 ⊕	30mA	10ns	1.47	1.32	1.05
354917	20.0 ⊕	30mA	10ns	1.65	1.47	1.41
Other Manufacturers						
27861	1.0	7mA	15ns	$2.49	$2.20	$1.43
27879	1.8432	7mA	15ns	2.39	2.15	1.95
27924	2.0	7mA	15ns	1.47	1.31	.99
27967	4.0	7mA	10ns	1.99	1.79	1.59
27991	8.0	15mA	15ns	2.39	2.15	1.91
27887	10.0	15mA	10ns	1.99	1.79	1.59
27895	12.0	15mA	10ns	1.28	1.20	1.11
27908	16.0	15mA	10ns	1.50	1.35	1.01
27932	20.0	17mA	10ns	2.15	1.88	1.46
76822	33.0	18mA	6ns	1.99	1.69	1.27
76857	100.0	25mA	3ns	2.49	2.25	1.95

We're committed to providing you with the best service in the industry.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion

Each kit includes a 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319610), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.



81875 (Capacitor Kit)

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Cabinet is wall-mountable or free standing
- Cabinet: ABS-Black
- Weight: 4.6 to 6.4 lbs.

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

Need a refill? Just call 1•800•831•4242



81832 (Resistor Kit)

Passives

Radial Electrolytic Capacitor Kit

SAVE $6

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100µF @ 50V	1000µF @ 16V	1µF @ 50V	3.3µF @ 50V	22µF @ 50V
220µF @ 25V	2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µF @ 50V
470µF @ 25V	3300µF @ 25V	2.2µF @ 50V	10µF @ 50V	100µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81867	240 pcs. Radial Capacitor kit	5.3	**$36.25**	**$34.35**

Axial Electrolytic Capacitor Kit

SAVE $11

Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47µF @ 50V	220µF @ 50V	1000µF @ 25V	1µF @ 50V	10µF @ 50V
100µF @ 50V	470µF @ 50V	2200µF @ 16V	4.7µF @ 50V	2.2µF @ 50V

Part No.	Description	Wt. (lbs.)	1	10
81875	140 pcs. Axial Capacitor kit	5.3	**$45.54**	**$40.98**

Mylar Capacitor Kit

SAVE $17

Includes 280 pcs. (10 values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001µF	.022µF	.047µF	.47µF	.01µF
.0047µF	.033µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81883	280 pcs. Mylar Capacitor kit	5.1	**$46.89**	**$44.45**

Dipped Tantalum Capacitor Kit

SAVE $25

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 35V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 35V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 35V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81841	150 pcs. Tantalum Capacitor kit	4.8	**$87.95**	**$79.95**
130260	Refill for 81841 (150 pcs.)	0.3	**80.89**	**76.86**

Ceramic Disc Capacitor Kit

SAVE $14

Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022µF	.01µF
22pF	100pF	.001µF	.047µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81859	520 pcs. Ceramic Capacitor kit	5.0	**$38.45**	**$34.62**
130232	Refill for 81859 (520 pcs.)	0.3	**23.45**	**20.95**

Monolithic Ceramic Capacitor Kit

SAVE $6

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001µF	.047µF	.47µF	.01µF
100pF	.0022µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
171475	280 pcs. Monolithic Capacitor kit	5.0	**$31.15**	**$29.25**

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
81832	540 pcs. 1/4-watt Resistor kit	4.9	**$31.59**	**$28.19**
103166	Refill for 81832 (540 pcs.)	0.2	**12.95**	**11.49**

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
107879	540 pcs. 1/2-watt Resistor kit	5.1	**$29.95**	**$26.95**
107853	Refill for 107879 (540 pcs.)	0.4	**15.69**	**14.17**

1/2-Watt Single Turn Cermet Pot Kit

See page 70 (63P Series) for photos and specs.

SAVE $12

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

Part No.	Description	Wt. (lbs.)	1	10
85032	100 pcs. single turn Pot kit	4.9	**$77.95**	**$73.45**

3/4-Watt 15 Turn Cermet Pot Kit

See page 70 (43P Series) for photos and specs.

SAVE $23

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1kΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

Part No.	Description	Wt. (lbs.)	1	10
85041	100 pcs. 15 turn Pot kit	4.9	**$89.95**	**$79.95**

www.Jameco.com



For more Component Cabinet Kit Refills visit our website today.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Belden Coaxial Cable

Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. For our complete line of Belden products, please visit **www.Jameco.com/Belden**.

75Ω Standard Analog Video Cable

RG59/U Type 23 AWG solid .023" bare copper



- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket • Nominal outer diameter: .242"
- Nominal capacitance: 67.3pF/m • Nominal impedance: 75Ω • Color: black

Part No.	Product No.	Description	1	5	10
732911	8241-500-10 ♻	500' reel	$169.86	$159.38	$158.20

Miniature Coax 27 AWG stranded (7x35) .017" bare copper-covered steel

- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Color: black
- Nominal impedance: 75Ω • Nominal outer diameter: .100"

Part No.	Product No.	Description	1	5	10
734174	8218-U500-10 ♻	500' unreel box	$256.99	$239.99	$233.65

20 AWG solid .032" solid bare copper



- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234" • Color: black

Part No.	Product No.	Description	1	5	10
734087	1505A-100-10 ♻	100' reel	$49.99	$47.49	$44.99
734089	1505A-500-10 ♻	500' reel	214.35	192.80	183.62

Belden Paired Cable

Belden paired cables allow balanced signal transmission, which results in lower cross talk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit **www.Jameco.com/Belden**.

- Chrome PVC jacket • Tinned copper • Twisted pairs
- Tinned copper drain wire • Overall 100% BELDFOIL® shield (for shielded cables)

Audio, Control, and Instrumentation Cable Non-Plenum

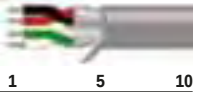
22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire



- Polypropylene insulation • Paper wrap
- Black PVC jacket • Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"

Part No.	Product No.	No. of Pairs	Description	1	5	10
733112	8451-100-10 ♻	1	100' reel (black)	$23.99	$22.31	$21.76
734063	8451-U500-10 ♻	1	500' unreel box (black)	118.75	107.91	93.75
733139	8451-1000-10 ♻	1	1000' reel (black)	190.35	168.93	163.53
734062	8451-U1000-10 ♻	1	1000' unreel box (blk)	243.42	223.14	205.95

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire



- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168" • Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734180	8723-100-60 ♻	2	100' reel	$35.09	$32.92	$31.87
734182	8723-500-60 ♻	2	500' reel	173.99	140.99	130.69
734181	8723-1000-60 ♻	2	1000' reel	272.65	267.32	262.08
734183	8723-U1000-60 ♻	2	1000' unreel box	324.59	306.79	289.79

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire



- Semi-rigid PVC insulation and overall chrome PVC jacket
- Nominal capacitance: 180pF/m
- Nominal outer diameter: 0.300" • Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734260	9402-100-60 ♻	2	100' reel	$77.99	$74.99	$69.99

Belden Multi-Conductor Cable

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
733235	8771-100-60 ♻	3	100' reel	$34.99	$29.99	$27.99
733243	8771-500-60 ♻	3	500' reel	163.85	160.65	157.44

22 AWG stranded (7 x 30) unshielded



8442 Series

- PVC insulation • Color: chrome



8443 Series



8444 Series



8445 Series

Part No.	Product No.	Conductors	Description	1	5	10
732996	8442-100-60 ♻	2	100' reel	$22.39	$20.29	$18.43
733008	8442-500-60 ♻	2	500' reel	92.45	87.59	82.73
734055	8442-U500-60 ♻	2	500' unreel box	84.47	75.99	69.99
734054	8442-U1000-60 ♻	2	1000' unreel box	171.25	145.69	133.30
733024	8443-100-60 ♻	3	100' reel	30.15	28.66	27.25
733032	8443-500-60 ♻	3	500' reel	124.19	117.61	111.11
733059	8444-100-60 ♻	4	100' reel	32.95	30.90	29.99
733067	8444-500-60 ♻	4	500' reel	161.55	143.37	132.33
734059	8444-U500-60 ♻	4	500' unreel box	165.46	134.44	124.10
733075	8444-1000-60 ♻	4	1000' reel	308.59	294.82	282.75
733083	8445-100-60 ♻	5	100' reel	40.39	37.92	36.70
734061	8445-U500-60 ♻	5	500' unreel box	199.99	181.80	166.68
733104	8445-1000-60 ♻	5	1000' reel	385.65	368.92	350.48

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire



- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
734254	8772-U500-60 ♻	3	500' unreel box	$179.95	$170.96	$162.41
734253	8772-U1000-60 ♻	3	1000' unreel box	327.49	317.68	308.15

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
733201	8770-100-60 ♻	3	100' reel	$59.99	$54.99	$49.99
733219	8770-500-60 ♻	3	500' reel	264.75	250.44	241.88
733227	8770-1000-60 ♻	3	1000' reel	507.90	483.74	460.70

Audio, Control, and Instrumentation Cable Non-Plenum (Cont.)

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire



- Tinned copper, twisted pair • Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"

Part No.	Product No.	No. of Pairs	Description	1	5	10
734185	8760-100-60 ♻	1	100' reel	$34.99	$32.49	$29.99
734187	8760-500-60 ♻	1	500' reel	166.19	150.81	143.26
734189	8760-U500-60 ♻	1	500' unreel box	150.39	143.26	136.44

Paired Line Level Analog Audio Cable

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355" • Color: chrome

Part No.	Product No.	Pairs	Description	1	5	10
733172	8720-100-60 ♻	1	100' reel	$64.99	$59.99	$54.99

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Belden Speaker Cable

More Belden Speaker Cable at www.Jameco.com

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Parallel (1) tinned (1) bare
- Clear PVC jacket
- PVC insulation



18 AWG stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
734154	9708-U500-368 ♻	500' unreel box	$181.95	$172.33	$162.77

14 AWG stranded (19 x 27)

732603	9717-100-368 ♻	100' reel	$78.59	$66.11	$59.34

12 AWG stranded (65 x 30)

732630	9718-100-368 ♻	100' reel	$151.62	$127.36	$120.99

Belden Hook-Up Wire

More Belden Hook-Up Wire at www.Jameco.com

UL/CSA Dual Rated AWM Styles 1007/1569

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.

- Rated 105˚C, 300V; 600V peak for electronic circuits and electrical equipment
- PVC insulated
- Tinned copper
- 100' reel



Use the color code chart below to replace the "xx" when ordering

02 – Brown	03 – Red	04 – Orange	05 – Yellow	06 – Green
08 – Violet	09 – Gray	10 – White	11 – Black	14 – Dark blue

e.g. 734602 – **7346** is the Jameco designation for 28 AWG stranded wire and **02** is for color brown

Part No.	Product No.	Description	1	5	10
7346xx	9928-100-xx ♻*	28 AWG (7 x 36) stranded	$19.99	$16.34	$14.99
7345xx	9926-100-xx ♻	26 AWG (7 x 34) stranded	21.35	17.45	16.15
7344xx	9923-100-xx ♻**	24 AWG (7 x 32) stranded	22.45	22.28	21.10
7343xx	9921-100-xx ♻	22 AWG (7 x 30) stranded	26.19	25.37	24.55
7340xx	9916-100-xx ♻	16 AWG (26 x 30) stranded	53.99	48.96	44.50

* Not available in gray ** Not available in orange, violet, gray or dark blue

Bus Bar Hook-Up Wire

More Belden Bus Bar Hook-Up Wire at www.Jameco.com

In accordance with performance requirements of Federal Specs. QQ-W343G.



- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
734169	8022-100 ♻	24 AWG, 100' reel	$16.91	$16.25	$15.48
734170	8022-1000 ♻	24 AWG, 1000' reel	73.79	70.29	66.95
734167	8021-100 ♻	22 AWG, 100' reel	16.29	14.68	13.21
734165	8020-100 ♻	20 AWG, 100' reel	23.89	20.15	16.40
734166	8020-1000 ♻	20 AWG, 1000' reel	169.45	141.89	131.09

UL 1430 Stranded Hook-up Wire



- Temperature rating: 105°C
- Voltage: 300V
- 18/20 AWG
- Average wall thickness: 0.016
- **Sold in 100' rolls**

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918	18	Black	19 x 30	0.082	2.083	$23.35	$21.00	$18.90
307926	18	Red	19 x 30	0.082	2.083	23.35	20.77	18.90
305015	18	Orange	7 x 26	0.082	2.083	23.94	21.54	19.38
307897	20	Black	7 x 28	0.070	1.778	23.94	21.54	19.38
307900	20	Red	7 x 28	0.070	1.778	23.94	21.54	19.38

UL 1007 Stranded Hook-Up Wire



300 Volts

- 80°C
- PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64
- **Sold in 100' rolls**

More ValuePro Stranded Hook-Up Wire at www.Jameco.com

Part No.	Cross Ref.	AWG	Color	1	5	10
126085	UL1007-22-BK-C ♻	22 (7x30)	Black	$4.07	$3.83	$3.59
126034	UL1007-22-RD-C ♻	22 (7x30)	Red	4.07	3.83	3.59
126077	UL1007-22-WH-C ♻	22 (7x30)	White	7.99	7.49	6.99
310852	UL1007-22-GR-C ♻	22 (7x30)	Green	4.65	4.35	4.08
310878	UL1007-22-YL-C ♻	22 (7x30)	Yellow	7.99	7.49	6.99
125840	UL1007-20-BK-C ⊕	20 (10x30)	Black	12.59	12.11	11.45
125795	UL1007-20-RD-C ♻	20 (10x30)	Red	9.99	9.49	8.99
125831	UL1007-20-WH-C ⊕	20 (10x30)	White	7.14	6.84	6.47
310894	UL1007-20-GR-C ♻	20 (10x30)	Green	9.99	9.49	8.99
310915	UL1007-20-YL-C ♻	20 (10x30)	Yellow	9.99	9.49	8.99
310922	UL1007-20-BL-C ⊕	20 (10x30)	Blue	6.89	6.60	6.24
125787	UL1007-18-BK-C ♻	18 (16x30)	Black	8.79	7.69	7.36
125736	UL1007-18-RD-C ♻	18 (16x30)	Red	11.99	11.49	10.99
125752	UL1007-18-WH-C ♻	18 (16x30)	White	11.99	11.49	10.99
310932	UL1007-18-GR-C ♻	18 (16x30)	Green	6.15	5.97	5.79
310949	UL1007-18-YL-C ⊕	18 (16x30)	Yellow	9.65	9.16	8.70
310958	UL1007-18-BL-C ♻	18 (16x30)	Blue	11.99	11.49	10.99

Solid Hook-Up Wire – 22 AWG



- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test
- MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 210

Part No.	Cross Ref. No.	Color	100 ft.
36768	122BE/C ♻	Blue	$6.59
36792	122BK-R/C ♻	Black	6.59
36822	122G-R/C ♻	Green	6.59
36856	122R/C ♻	Red	6.59
36881	122W-R/C ♻	White	6.59
36920	122Y/C ♻	Yellow	6.59

Part No.	Cross Ref. No.	Color	1000 ft.
36776	122BE/K ♻	Blue	$49.99
36805	122BK/K ♻	Black	49.99
36840	122G/K ♻	Green	49.99
36864	122R/K ♻	Red	49.99
36899	122W/K ♻	White	49.99
36928	122Y/K ♻	Yellow	49.99

Kynar™ Wire-Wrap Wire – 30 AWG



22542

- Assorted color coded insulation
- Color coded Kynar™ (Polyvindene Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Passes UL VW-1 flame test
- Used for prototyping
- UL 1423
- Wire wrap tools, pg 197
- See pg 112 for sockets

Part No.	Color	100 ft.
22542	Blue ♻	$6.09
22577	Black ♻	6.19
22631	Red ♻	6.29
22665	White ♻	6.59
22606	Green ♻	6.29
22700	Yellow ♻	5.79

Part No.	Color	1000 ft.
22551	Blue ♻	$31.19
22585	Black ♻	31.19
22649	Red ♻	31.19
22673	White ♻	34.79
22614	Green ♻	38.25
22702	Yellow ♻	31.49

RG Type Bulk Coaxial Cable

More ValuePro Coaxial Cable at www.Jameco.com



- For ethernet, oscilloscopes

RG58/U & RG58A/U (50Ω):

- Nominal capacitance: 27pF/ft.; center resistance: 10.4Ω/1000ft. @ 77°F

RG174/U (50Ω):

- Nominal capacitance: 30.8pF/ft.; center resistance.: 97Ω/1000ft. @ 77°F

Part No.	Cross Ref No.	Type	Description	Length	1	25	50
644771	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	$18.99	$17.99	$17.09
644789	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	149.99	142.49	135.35
644818	RG174/U-100	RG174/U	26 AWG stranded	100'	18.99	17.99	17.09
644826	RG174/U-1000	RG174/U	26 AWG stranded	1000'	202.79	192.66	182.99

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Stranded copper wire (7 x 32)
- Operating voltage: 300V
- Temperature rating: 20°C to 60°C



Part No.	Cross Ref. No.	Length	1	10	25
100280	224BK/C	100'	$5.59	$4.99	$4.49
100299	224BK/K	1000'	49.99	44.89	39.59

JAMECO ValuePro Twisted Paired Cable – 24 AWG

- PVC insulation
- Use for hook-up wire
- Stranded tinned wire (7 x 32)
- Reduced EMI
- 80°C
- 300 V





Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
105912	224GW/C	Grn/white	$7.49	105807	224GW/K	Grn/white	$67.95
173164	224BW/C	Black/white	7.49	173156	224RW/K	Red/white	67.95
				173172	224BW/K	Black/white	67.95

JAMECO ValuePro Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- PVC jacket
- 7 x 43 stranded
- Gray



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644674	300-840SL-1000	4	1000	$45.09	$37.37	$35.51
644691	300-860SL-100	6	100	7.49	6.75	6.09
644703	300-860SL-1000	6	1000	49.99	47.49	46.13
644738	300-880SL-1000	8	1000	61.99	58.89	55.95

JAMECO ValuePro Category 5e Network Cable

- 4 twisted pairs
- Nominal OD.: 0.189"
- Insulation: polyethylene
- Nominal impedance: 100
- UTP

Solid: uses modular plug P/N 119343, pg 87
Stranded: uses modular plug P/N 79281, pg 87

- **Prepackaged and priced in increments listed below**

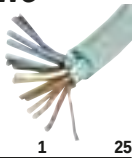


24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644551	10X5-701TH-100	Solid	Gray	100	$10.75	$10.38
644560	10X5-701TH-1000	Solid	Gray	1000	110.15	98.28
645722	10X5-704TH-100	Solid	Blue	100	16.99	16.15
645731	10X5-704TH-1000	Solid	Blue	1000	99.99	94.99
644586	10X5-801TH-100	Stranded	Gray	100	21.59	19.43
644594	10X5-801TH-1000	Stranded	Gray	1000	159.99	143.99
644615	10X5-804TH-100	Stranded	Blue	100	21.59	19.43
644623	10X5-804TH-1000	Stranded	Blue	1000	159.99	151.99
645765	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99
645790	10X5-802TH-1000	Stranded	Black	1000	159.99	143.99
645829	10X5-806TH-1000	Stranded	Yellow	1000	159.99	143.99

JAMECO ValuePro Multiconductor Shielded Computer Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- Color: gray
- Drain wire
- 24 AWG (7 x 32 AWG)
- Shielded 100% w/ aluminum mylar
- **Prepackaged and priced in increments listed below**



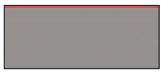
Part No.	Cross Ref. No.	Conductors	Diameter	Length (ft.)	1	25
644391	SC4-100	4	0.20"	100	$20.05	$19.05
644404	SC4-1000	4	0.20"	1000	167.99	159.59
644412	SC9-25	9	0.23"	25	13.15	12.50
644421	SC9-100	9	0.23"	100	39.55	37.57
644439	SC9-1000	9	0.23"	1000	337.45	320.61
644447	SC15-25	15	0.28"	25	17.49	16.78
644455	SC15-100	15	0.28"	100	58.75	55.86
644463	SC15-1000	15	0.28"	1000	515.99	490.19
644471	SC25-25	25	0.37"	25	22.25	21.15
644480	SC25-100	25	0.37"	100	85.19	80.94
644498	SC25-500	25	0.37"	500	589.99	560.49

For more ValuePro Cable visit us online at www.Jameco.com

3M Flat Ribbon Cable

More 3M Flat Ribbon Cable at www.Jameco.com

- 0.05" centers, 28AWG (7x36) tinned stranded copper
- Insulation material: polyvinyl chloride (PVC)
- Voltage rating: 300V
- Impedance: 102Ω unbalanced
- Capacitance: 14.47pF/ft.
- Inductance: 0.15µH/ft.
- Temp. rating: -20˚C to 105˚C
- Color: gray
- Length: 100 ft. prepackaged

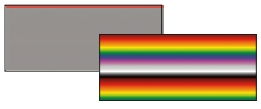


Part No.	Product No.	Conductors	1	5	10
1643788	3365/14♠	14	$28.85	$27.39	$26.18
1643796	3365/16♠	16	35.35	32.14	29.91
1643809	3365/20♠	20	44.19	39.14	37.40
1643817	3365/26♠	26	57.45	52.21	48.61
1643833	3365/40♠	40	82.89	78.74	74.80
1643841	3365/50♠	50	110.45	100.43	93.48

BELDEN Flat Ribbon Cable

More Belden Flat Ribbon Cable at www.Jameco.com

- Designed for general purpose interconnect applications
- Insulation: PVC – polyvinyl chloride
- Insulation resistance: >10,000MΩ
- Dielectric withstanding voltage: 2,000V_{RMS}
- 28AWG stranded (7 x 36) tinned copper
- Current rating: 1A/conductor
- Nom. conductor DC resistance: 68.2Ω/1000ft.
- Length: 100 ft. prepackaged
- 0.050" pitch
- Voltage rating: 300V_{RMS}



Gray

Part No.	Product No.	Conductors	1	2	5
689311	9L28010-H100-08	10	$28.65	$27.13	$25.60
689320	9L28015-H100-08 ♠	15	42.19	37.88	34.46
689338	9L28016-H100-08	16	48.75	44.53	40.51
689346	9L28020-H100-08	20	61.15	55.99	50.94
689354	9L28024-H100-08	24	72.85	65.46	59.55
689362	9L28025-H100-08	25	85.99	78.08	71.02
689371	9L28026-H100-08	26	80.85	73.42	66.78
689389	9L28034-H100-08	34	106.79	97.00	88.24
689397	9L28036-H100-08	36	112.25	100.87	91.75
689400	9L24037-H100-08	37	107.45	102.43	93.17
689418	9L24040-H100-08	40	115.05	109.72	99.80
689426	9L24050-H100-08	50	149.59	144.95	140.39
689434	9L24060-H100-08	60	173.49	155.88	141.79
689442	9L24064-H100-08	64	193.99	174.29	158.52

Rainbow (Multi-Color)

Part No.	Product No.	Conductors	1	2	5
689451	9R28010-000-100	10	$72.89	$65.13	$59.58
689469	9R28014-000-100	14	103.19	92.17	84.32
689477	9R28016-000-100	16	111.95	106.16	97.12
689485	9R28020-000-100	20	140.95	137.64	121.58
689506	9R28025-000-100	25	184.19	164.57	150.53
689514	9R28026-000-100	26	191.15	170.75	156.19
689522	9R28034-000-100	34	247.79	221.36	202.49
689531	9R28037-000-100	37	239.45	230.50	222.25
689549	9R28040-000-100	40	292.69	261.50	239.22
689557	9R28050-000-100	50	347.09	329.16	301.12
689565	9R28060-000-100	60	440.55	393.56	360.02
689573	9R28064-000-100	64	468.15	418.23	382.59

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we are unable to ship USPS.



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More Wire & Cable Products available on our website. Visit us online today!

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Call for OEM pricing

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC)
- Temp. rating: -20°C to +80°C
- Stranded copper wire
- 28 AWG (7 x 36)
- Center spacing: 0.05"
- Voltage rating: 300V
- **Prepackaged and priced in increments listed below**



Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643815	171-10-100R	10	100' reel	$15.18	$14.51	$13.85
643840	171-16-25R	16	25'	8.79	8.39	7.99
643858	171-16-100R	16	100' reel	23.99	23.37	22.79
643891	171-20-100R	20	100' reel	30.69	27.63	24.86
643938	171-25-100R	25	100' reel	35.19	33.53	31.94
643989	171-26-100R	26	100' reel	34.39	32.67	31.04
644050	171-34-100R	34	100' reel	43.55	41.36	39.29
644092	171-37-100R	37	100 reel	46.89	44.56	42.33
644113	171-40-10R	40	10'	9.89	9.35	8.89
644121	171-40-25R	40	25'	21.55	19.99	18.99
644130	171-40-100R	40	100' reel	57.59	54.71	51.95
644156	171-50-10R	50	10'	8.99	8.49	7.99
644164	171-50-25R	50	25'	19.35	18.29	17.35
644172	171-50-100R	50	100' reel	66.55	63.18	60.03
644210	171-60-100R	60	100' reel	83.09	77.81	73.90

Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- Stranded copper wire
- 28 AWG (7 x 36)
- Center spacing: 0.05"
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- **Prepackaged and priced in increments listed below**



For more ReliaPro Flat Ribbon Cable visit www.Jameco.com

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643508	28RC10-25R	10	25'	$10.19	$9.15	$8.25
643516	28RC10-100R	10	100' reel	28.89	26.37	23.85
643541	28RC16-25R	16	25'	16.29	14.75	13.29
643559	28RC16-100R	16	100' reel	52.19	46.95	42.26
643583	28RC20-25R	20	25'	16.99	15.49	13.99
643591	28RC20-100R	20	100' reel	65.25	58.70	52.83
643621	28RC25-25R	25	25'	19.99	18.99	17.99
643639	28RC25-100R	25	100' reel	59.99	56.99	54.15
643671	28RC34-100R	34	100' reel	89.55	85.08	80.82
643701	28RC40-25R	40	25'	49.49	36.49	32.75
643719	28RC40-100R	40	100' reel	105.99	101.99	98.99
643743	28RC50-25R	50	25'	50.99	45.49	40.99
643751	28RC50-100R	50	100' reel	163.15	146.75	132.11

Wire & Cable

For more Computer Cables visit www.Jameco.com

Computer Cables

Disk Drive & SCSI Cables


32918


185076

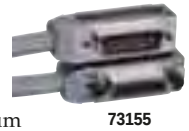

72806


32715

Quantity SAVE

Part No.	Description	Length	1	10	100
32918	34-pin header socket ribbon cable for floppy to card	23"	$3.49	$2.97	$2.22
185076	40-pin IDE hard drive cable to card	14"	.95	.71	.53
72806	Two 40-pin header socket ribbon cable for IDE driveR	18"	4.25	3.62	2.71
32715	50-pin header socket ribbon cable SCSI-I (18")	18"	4.29	3.80	3.22

IEEE 488 Cables

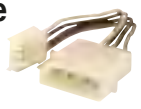

73155

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.

- Color: gray

Part No.	Description	1	10	25
73155	1 meterR	$39.39	$35.41	$31.85
115781	2 meter⊕	38.35	34.53	31.25
115802	4 meterR	42.85	39.81	35.15

3.5" Disk Drive Power Adapter Cable



- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies

Part No.	Length	AWG	1	10	100
28397	3.5"R	22	$3.29	$2.98	$2.58

Ribbon Cable Assemblies


12408

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts

Part No.	Description	1	10	100
12408	4' DB25 M-FR	$5.09	$4.49	$4.08
208582	6' DB9 M-FR	4.75	4.26	3.83

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181404/180698 Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438 Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)

180742 Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8


180698


180582


180742

Part No.	Description	1	10	50
181404	6' DB9 F to DB9 FR	$5.69	$5.09	$4.59
180698	10' DB9 F to DB9 FR	6.79	6.09	5.49
181438	6' DB25 M to DB9 F	4.95	4.49	3.95
180582	10' DB25 M to DB9 F	6.69	5.69	4.26
180742	10' DB25 F to DB9 F	7.39	6.65	5.99

3.5" & 5.25" Disk Drive Power Splitters


28354

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females

Part No.	Drive	AWG	Length	1	10	100
28354	5.25"R	18	5"	$3.54	$3.23	$2.87
277528	5.25"	20	6"	2.85	2.59	1.94
72304	3.5"R	22	5"	3.30	2.99	2.63

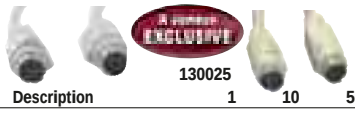
PS/2 Keyboard Extension Cables


28549

- 6-pin mini DIN female-to-male
- Color: beige

Part No.	Description	1	10	100
28549	PS/2 6' non-coiledR	$4.35	$3.89	$3.49
111053	PS/2 10' non-coiled⊕	5.49	4.99	4.39

Macintosh® Printer Cables


10604 130025

Part No.	Description	1	10	50
10604	6' mini DIN8M	$3.39	$3.22	$3.05
130025	10' mini DIN8MR	5.99	5.39	4.85

AT/ATX Power Supply Extension Cable



- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply

Part No.	Length	AWG	1	10	100
170238	15"R	18	$6.49	$6.16	$5.83

VGA Monitor Cable


66174

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male

Part No.	Description	1	10	100
66174	6' monitor cableR	$7.79	$7.07	$6.35
148523	10' monitor cable⊕	7.25	6.49	5.79

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Visit us online today!

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles

134042:
- HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews

66165/148532:
- Thumbscrews on each end


134042

Part No.	Description	1	10	100
134042	6' screws/hex nuts ♻	$4.75	$4.18	$3.70
66165	6' thumbscrews ⊕	7.49	6.78	6.10
148532	10' thumbscrews ♻	8.45	7.66	6.76

37-Pin Straight Through Cable Adapter

- Molded connectors
- Color: gray
- Weight: 0.9 lbs.



Part No.	Description	1	10	100
181295	6' DC37 M-F ♻	$5.95	$5.49	$4.95

Switch Box Adapter Cables

6-pin mini DIN

177261: Male to male non-coiled cable for P/N 79177 switch box, pg 179
174772: Male to male
174908: Male to male non-coiled
112628: Male to male non-coiled cable for P/N 79177 switch box, pg 179


174772

Quantity SAVE

Part No.	Length	Color	1	10	50
177261	2'	Gray	$2.95	$2.55	$1.89
174772	6'	Black	4.95	4.25	3.19
174908	6' ⊕	Gray	5.75	5.15	4.65
112628	10' ♻	Beige	7.95	7.25	6.49
205655	25'	Beige	8.95	7.95	6.95

RGB Video Cable

- 75Ω coaxial cable
- Length: 6'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Color: black



Part No.	Description	1	10	25
73648	RGB video cable	$19.95	$16.99	$12.75

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray


181286

Part No.	Description	Length	1	10	100
181286	DA15 M-M ⊕	6'	$6.59	$5.94	$5.34
181359	DA15 M-F ♻	6'	5.49	4.95	4.45

DB25-to-Centronics Parallel Printer Cable

- Molded and fully shielded DB25 male and 36-pin Centronics male connector
- IBM PC/XT and higher compatibles



Part No.	Description	1	10	100
28716	6' straight	$4.74	$4.28	$3.84

DB9 Extension Cables


132346


25701

- All lines connected straight through

132346/196366:
DB9 female to DB9 female cable with thumbscrews

199639/25701/148516:
DB9 male to DB9 female cable with thumbscrews

181666: DB9 male to DB9 male cable

Part No.	Description	1	10	100
132346	6' F-F ♻	$4.95	$4.49	$3.95
199639	6' M-F (blk) ♻	5.25	4.59	4.06
25701	6' M-F ♻	7.05	6.39	5.62
196366	10' F-F ♻	7.45	6.67	5.97
148516	10' M-F ♻	7.99	7.25	6.39
181666	10' M-M ♻	7.45	6.67	5.97

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors


31722

Part No.	Description	1	10	100
109584	1' serial, beige ♻	$4.35	$3.95	$3.49
189333	3' serial, beige	3.95	3.39	2.55
207790	4' serial, beige	1.55	1.40	1.26
31722	6' serial, beige ♻	5.09	4.66	4.13
191361	6' serial, gray	4.79	4.35	3.43
155522	10' serial, beige ♻	4.09	3.66	3.25

DB25 Extension Cables

- Use to lengthen your standard serial cable or for switch box applications
- All lines connected straight through
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001/175291: black*


67257

Part No.	Description	1	10	50	100
174001	3' M-M ⊕ *	$5.09	$4.61	$4.12	$3.70
401138	3' M-M ♻	5.34	5.10	4.79	4.55
65788	6' M-M ♻	7.79	7.07	6.35	5.87
39538	10' M-M	6.95	6.29	5.05	3.69
179979	15' M-M ⊕	8.34	7.52	6.76	5.95
67070	25' M-M ⊕	11.05	10.05	9.04	8.03
180435	50' M-M	14.95	13.49	11.95	9.95
164291	3' M-F ⊕	4.29	3.89	3.49	2.95
175291	3' M-F ♻ *	3.15	2.86	2.40	1.69
163133	5' M-F ⊕	6.35	5.70	5.15	4.62
67257	6' M-F ♻	7.74	6.95	6.30	5.63
39511	10' M-F ⊕	8.15	7.49	6.74	6.07
177279	15' M-F	9.49	8.55	7.69	6.25
101996	25' M-F ♻	12.25	11.07	9.94	8.16
181201	50' M-F	17.95	15.11	11.33	8.61
224267	6' F-F ♻	7.49	5.97	4.46	3.16

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USB 2.0 Cables


USB-A (M) to USB-A (M)


USB-A (M) to USB-B (M)


USB-A (M) to USB-A (F)

- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326474	3' cable beige ♻	$1.55	$1.39	$1.29
229682	6' cable beige ♻	1.65	1.49	1.39
222033	6' cable black	1.65	1.49	1.39
229690	10' cable beige ⊕	2.39	2.34	2.22
222050	15' cable black	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711	3' cable beige ♻	$1.55	$1.39	$1.29
222608	3' cable black ♻	1.55	1.39	1.29
229585	3' cable clear	1.55	1.39	1.29
229730	6' cable beige ♻	1.65	1.49	1.39
222010	6' cable black ♻	1.65	1.49	1.39
229594	6' cable clear ♻	1.65	1.49	1.39
229738	10' cable beige ♻	1.89	1.75	1.65
222018	10' cable black ♻	1.89	1.75	1.65
229607	10' cable clear ♻	1.89	1.75	1.65
229762	15' cable beige ♻	2.85	2.59	2.49
222026	15' cable black ♻	2.85	2.59	2.49
229614	15' cable clear ⊕	2.95	2.51	1.88

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige ♻	$1.55	$1.39	$1.29
229771	6' cable beige ♻	1.65	1.49	1.39
222068	6' cable black	1.65	1.49	1.39
229622	6' cable clear ⊕	1.65	1.49	1.39
229789	10' cable beige ♻	1.89	1.75	1.65
222076	10' cable black	1.89	1.75	1.65
229797	15' cable beige ♻	2.85	2.59	2.49
222084	15' cable black	2.85	2.59	2.49
229650	15' cable clear ♻	3.55	3.23	3.11

Digital Camera USB 2.0 Cables

- Color: black
- Length: 6 ft.
- For use w/ digital cameras, memory card readers, etc.



Part No.	Product No.	1	10
673715	USB-A to mini 4-pin ♻	$2.99	$2.65
673694	USB-A to mini 5-pin	2.75	2.35

USB 1.1 Cable

USB-A Male to USB-B Male



Part No.	Description	1	10	25
169359	6' cable	$1.79	$1.59	$1.35

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Quantity SAVE



Part No.	Description	1	10	100
162915	DB9 male to DB9 female	$2.95	$2.51	$1.88

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

USB/Network Cables, Modular Plugs & Jacks

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

USB-A Cable with Bracket



- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors • 8" long

Part No.	Description	1	10	25
144813	Female panel mount	$3.99	$3.79	$3.59

USB-to-DB9 Serial Adapter



- USB-A to DB9 male • Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

Part No.	Description	1	10
387954	USB-A to DB9 ♻	$17.95	$16.15

USB Gender Adapter



- USB-A female to USB-A female
- Dimensions: 1.5"L x 0.7"W

Part No.	Description	1	10	25
316806	USB-A female ⊕	$2.69	$2.49	$2.25

IEEE 1394 Firewire Cables



175821 175839 175848

- IEEE-1394 compliant • UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
175821	6' cable black ⊕	$5.59	$5.05	$4.55

4-pin Male to 6-pin Male

Part No.	Description	1	10	25
175839	6' cable black ⊕	$5.59	$5.05	$4.55

6-pin Male to 6-pin Male

Part No.	Description	1	10	25
175848	6' cable black ♻	$5.59	$5.05	$4.55
222201	10' cable black	6.99	6.25	5.65
222210	15' cable black	8.59	7.75	6.95

Network Crossover Cables



- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

CAT 5e

Part No.	Length	Color	1	10	100
681109	3 ft.	Gray	$2.95	$2.65	$2.39
681117	7 ft.	Gray	4.75	4.45	3.75
302041	6 ft.	Gray	3.75	3.39	3.05
685812	7 ft.	Yellow	4.75	4.45	3.34
169261	10 ft. ♻	Gray	9.25	8.31	7.44

CAT 6

Part No.	Length	Color	1	10	100
679762	3 ft.	Gray	$7.95	$7.15	$6.29
681096	7 ft.	Gray	9.95	8.95	7.69

Category 6 Network Cables

For more Category 6 Network Cables visit www.Jameco.com



- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

Part No.	Length	Color	1	10	50
219707	3 ft. ♻	Gray	$2.79	$2.69	$2.02
219715	7 ft. ♻	Gray	3.99	3.87	3.68
219723	14 ft. ♻	Gray	6.59	6.37	6.05
219731	25 ft. ♻	Gray	10.59	9.97	9.44
219740	50 ft. ♻	Gray	13.29	12.44	11.61
219854	3 ft. ♻	Blue	2.79	2.69	2.56
219862	7 ft. ♻	Blue	3.99	3.87	3.68
219871	14 ft. ♻	Blue	6.59	6.37	6.05
219889	25 ft. ♻	Blue	11.29	10.71	8.87
219897	50 ft. ♻	Blue	12.89	11.76	10.03
220003	3 ft. ♻	White	2.79	2.39	1.78
220011	7 ft. ♻	White	3.99	3.87	3.68
220046	50 ft. ♻	White	17.15	16.30	15.48
219900	3 ft. ♻	Red	2.79	2.69	2.56
219918	7 ft. ♻	Red	3.99	3.87	3.68
219934	25 ft. ♻	Red	8.59	7.94	7.41
219942	50 ft. ♻	Red	14.29	12.45	9.11
219803	3 ft. ♻	Green	2.79	2.69	2.56
219811	7 ft. ♻	Green	3.99	3.87	3.68
219820	14 ft. ♻	Green	6.59	6.37	6.05
219846	50 ft. ♻	Green	12.89	11.76	10.03
219766	7 ft. ♻	Black	3.99	3.87	3.68
219774	14 ft. ♻	Black	6.59	6.37	6.05
219782	25 ft. ♻	Black	9.19	8.23	6.92
219791	50 ft. ♻	Black	14.29	14.15	10.31
219969	7 ft. ♻	Yellow	3.99	3.87	3.68
219993	50 ft. ♻	Yellow	12.89	11.76	10.03

Category 5e Network Cables

For more Category 5 Network Cables visit www.Jameco.com



- UTP • 350 MHz
- 8P8C • 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	$1.79	$1.49	$1.39
168305	7 ft. ♻	Gray	3.59	3.11	2.87
168313	15 ft.	Gray	7.49	6.23	5.67
168321	25 ft.	Gray	9.59	8.15	7.67
201777	3 ft. ♻	Red	1.79	1.49	1.39
201785	7 ft.	Red	3.59	3.11	2.87
201793	15 ft.	Red	6.95	5.95	4.45
201806	25 ft. ♻	Red	9.59	8.15	7.67
201697	3 ft. ♻	Black	1.79	1.49	1.39
201700	7 ft. ♻	Black	3.59	3.11	2.87
201718	15 ft.	Black	5.29	4.39	3.99
201726	25 ft. ♻	Black	7.99	6.79	6.39
201734	3 ft.	Blue	1.79	1.49	1.39
201742	7 ft. ♻	Blue	3.49	3.00	2.77
201751	15 ft.	Blue	6.35	5.27	4.79
201769	25 ft. ♻	Blue	9.59	8.15	7.67
201814	3 ft. ♻	Yellow	1.79	1.49	1.39
201822	7 ft.	Yellow	3.49	3.03	2.80
201831	15 ft.	Yellow	6.35	5.27	4.07
201849	25 ft. ♻	Yellow	9.59	8.15	7.67

Modular Plugs



103491 79290 79273 79281 119343

P = No. of positions
C = No. of contacts
W/E = Western Electric type number



116611

✳ Prepackaged: Please order in increments of 10

Part No.	Description	W/E	1	10	100	1000
103491	4P4C (handset)	616	✳	$.132	$.117	$.088
79290	6P4C (RJ11)	623	✳	.142	.117	.088
79273	6P6C (RJ11)	623	.25	.22	.195	.18
79281	8P8C (RJ45) (for stranded wire)	641	.47	.38	.28	.25
119343	8P8C (RJ45) unshielded (for solid wire)	—	.45	.424	.338	.264
116611	8P8C (RJ45) shielded ♻	—	1.09	.99	.89	.79
204231	8P8C (RJ45) shielded (for STP stranded wire) ⊕	—	1.34	1.26	1.16	.97
116602	8P8C (RJ45) shielded (for solid wire) ♻	—	.99	.79	.65	.49
180646	10P10C (for stranded wire) ⊕	—	1.39	1.15	.82	.62

Modular Jacks



115128 151766 115837 204178

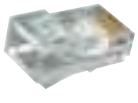
124039 115844 203449 1537416

- Voltage rating: 150VAC max. • PC mount
- Contact current rating: 1.5A max. @ 25°C
- Durability: 750 mating cycles

*W/E = Western Electric type number

Part No.	Description	*W/E	1	10	100
115128	4P4C (handset) 0.395"W ⊕	—	$.41	$.361	$.316
151766	6P4C (RJ11) side flange ♻	AMP	.55	.507	.46
115837	6P6C (RJ11) side flange ♻	—	.81	.74	.65
204178	6P6C (RJ11) dual ♻	—	1.49	1.35	1.19
124039	6P6C (RJ11) 6" leads ♻	—	1.25	1.15	.99
115844	8P8C (RJ45) ⊕	641	.54	.494	.45
204215	8P8C (RJ45) 0.81"L ♻	—	1.19	1.09	.95
203449	8P8C (RJ45) shielded Pin spacing "A" = 0.055" ⊕	—	1.39	1.18	.99
Other Manufacturers — Great Deals					
1537416	8P8C (RJ45) Low Profile	—	$.95	$.89	$.66

"EZ" RJ45 Connector



Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

- For solid or stranded wire • 8P8C plug
- Use standard modular crimping tool

Part No.	Product No.	1	10	100	250
158115	RJ45 (8P8C) ⊕	$1.75	$1.58	$1.42	$1.25

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

AMP 4-Position Modular Jack



- Side entry, flangeless, without panel stops
- Housing: PBT polyester, black
- Terminal: 0.35" thick phosphor bronze plated with 1.27µm min. thick hard gold in localized gold plate area and 3.81µm min. thick tin-lead in solder area over 1.27µm min. thick nickel underplate

Part No.	Product No.	1	10	100
852836	555980-1	$.66	$.62	$.59

AMP 8P8C In-Line Coupler



- Panel mount thickness: 0.062" nominal
- Housing: black polyphenylene oxide
- Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel

Part No.	Product No.	1	10	100
524445	555052-1 R	$3.45	$2.99	$2.77

AMP 8-Position Modular Jacks & Plugs

Single Port Modular Jacks


524453


524488


524461

- Meets or exceeds FCC part 68 rules and regulations
- Current rating: 1.5A max. @ 25°C (derated)
- Voltage rating: 150VAC max.
- Housing: polyester 94V-0 rated
- Dielectric withstanding voltage: 1000VAC$_{RMS}$
- Contact: 0.014" thick phosphor bronze with 50µ" gold in contact area and 150µ" tin-lead on solder tails over nickel

Shielded

Part No.	Product No.	Position	1	25	50
524453	555153-1	Side entry, low profile	$1.33	$1.26	$1.20

Unshielded

Part No.	Product No.	Position	1	25	50
524488	555416-1	Top entry	$.61	$.54	$.52
524461	555164-1	Side entry 12.6mm H	.67	.65	.61

Unshielded Modular Plugs



- One piece construction with pre-loaded contacts
- Housing: polycarbonate UL94V-0 rated
- Current rating: 15A @ 150VAC
- Terminals: 0.014" thick phosphor bronze under-plated with 100µ" nickel, plated with 50µ" gold in contact region and gold flash on terminal
- Dielectric withstanding voltage: 1000VAC
- Insulation resistance: 5000MΩ
- Meets FCC rules and regulations part 68 and TIA/EIA 568A

Part No.	Product No.	Description	1	25	50
524496	5-557315-3 R	Round solid	$.53	$.498	$.448
524402	5-554169-2 R	Round stranded	.46	.423	.391
524429	5-554739-3 R	Flat oval strd.	.46	.423	.399
524525	5-558530-3 R†	Stranded	.71	.64	.58

† Load Bar

Find more Plugs & Jacks online at www.Jameco.com

Keystone-Type RJ45 & RJ11 Jacks

Modular Punchdown Type


212944


213517

- Removable jacks used in wall plates
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

RJ45: 8P8C **RJ11:** 6P6C

RJ45

Part No.	Color	1	10	100
195630	Black R	$4.05	$3.83	$3.44
212951	Blue ⊕	3.75	3.19	2.39
212944	White R	3.75	3.55	3.19

RJ11

Part No.	Color	1	10	100
213517	White R	$3.75	$3.55	$3.19

Network Connectors


615048 615144

CAT 5e Coupler • RJ45 female

Part No.	Product No.	1	10	100
615048	45-5439	$5.39	$5.05	$4.79

180° IDC Toolless Design • CAT 5e

Part No.	Product No.	1	10	100
615144	45-5837	$2.79	$2.67	$2.54

RJ45 Plug Color Caps (Boots)


204410

- Round strain relief
- ***Sold in increments of 10***

Part No.	Color	10	100	500	1000
204410	Black R	$.14	$.13	$.12	$.09
204362	Blue R	.14	.12	.098	.073

Telco Adapters

Quantity SAVE


Fig. 1

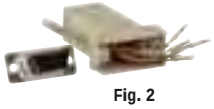
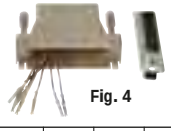
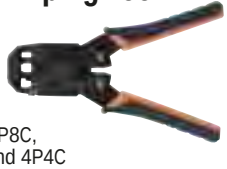

Fig. 2


Fig. 3


Fig. 4

Part No.	Fig.	Prod. No.	Description	1	10	100
614977	1	45-5110	8C RJ45 to DB9 M	$3.35	$2.45	$2.34
614985	2	45-5111	4C RJ11 to DB9 F	2.49	2.27	1.71
615005	2	45-5113	8C RJ45 to DB9 F	2.45	2.31	1.96
615021	3	45-5123	8C RJ45 to DB25 M	2.95	2.16	2.02
615030	4	45-5127	8C RJ45 to DB25 F	2.69	2.47	2.22

Professional Modular Connector Crimping Tool



- Spring return action
- 6mm and 12mm stripping guide
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.

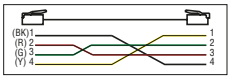
Part No.	Product No.	1	10	25
181147	HT200 ⊕	$54.95	$49.49	$44.55

Modular Couplers and Adapters

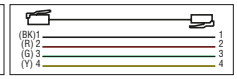

Fig. 1 W: 1.5" H: 0.9" D: 0.7"


Fig. 2 W: 1.7" H: 1.0" D: 0.9"

Style 1 Reverse wiring for telephone systems

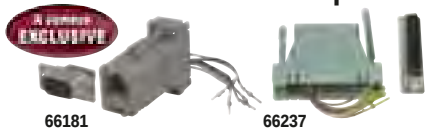


Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
71757	6P6C modular coupler, **Style 1**, RJ11	1	$.95	$.86	$.79
118501	8P8C modular coupler, **Style 1**, RJ45	1	1.85	1.75	1.55
135079	8P8C modular coupler, **Style 2**, RJ45	1	1.39	1.25	1.15
153023	⊕ 8P8C modular coupler, **Style 2** (for CAT 5) RJ45	2	7.99	7.19	6.49

RS-232-to-RJ11/RJ45 Modular Jack Adapters


66181 66237

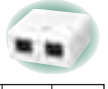
Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
66181	DB9 M to RJ11 (6P6C)	$2.59	$2.35	$2.09
66191	DB9 M to RJ45 (8P8C) R	2.89	2.65	2.35
114738	DB9 F to RJ11 (6P4C) R	2.34	2.15	1.91
66203	DB9 F to RJ11 (6P6C) R	2.79	2.55	2.29
66212	DB9 F to RJ45 (8P8C) R	2.99	2.69	2.45
66229	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45
66254	DB25 F to RJ45 (8P8C) R	2.89	2.59	2.29

Modular Jack Boxes


Fig. 1 W: 2.0" H: 2.2" D: 0.9"


Fig. 2 W: 1.5" H: 2.4" D: 1.1"


Fig. 3 W: 2.4" H: 2.4" D: 1.1"

Part No.	Description	Fig.	1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	$1.39	$1.19	$1.09
71984	6P6C adhesive jack RJ11 (beige)	1	1.39	1.19	.99
71651	8P8C adhesive jack RJ45 (beige)	1	1.95	1.65	1.45
213032	R 8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	3.29	2.99	2.69
213049	⊕ 8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	4.55	3.87	2.90

Banjo In-Line Modular Adapters

4/6/8 Pin 3-In-1

Adapter can be applied to any brand of butt sets, LAN cable testers, or tone generators.



Part No.	Product No.	Description	Price
673723	MT-8091	In-line modular adapters	$24.39

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

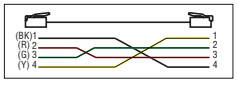
Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

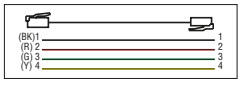


Low Cost Data/ Phone Cables

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Quantity SAVE

Part No.	Conn. Style	Type	Length	Pricing 1	10	100
189940	1	RJ11-6P2C	7ft.	$.99	$.85	$.65
196227	1 R	RJ11-6P4C	7ft.	1.75	1.49	1.29
115554	2 R	RJ11-6P4C	7ft.	1.75	1.49	1.29
115545	1	RJ11-6P4C	25ft.	2.99	2.72	2.41
201232	2	RJ11-6P4C†	35ft.	2.49	2.25	1.69
115588	1	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
115677	2 R	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige

Rip-Tie EconoCinch/EG CableTies

The loop lock acts like a pulley, giving you leverage to pull the strap as tight as needed. The non-metallic buckle is safe to use around electrical and magnetic equipment. The EconoCinch EG has a solid brass grommet with an ID of 1/4".



Econo Cinch



Econo Cinch EG

- Black • 5 per pack

Part No.	Description	1	10
744691	EconoCinch, 3/4"W x 18"L R	$10.69	$10.45
746081	EconoCinch, 3/4"W x 36"L R	13.65	13.35
748588	EconoCinch EG, 3/4"W x 7"L R	8.69	8.49
749951	EconoCinch EG, 3/4"W x 10"L R	9.65	9.45

Rip-Tie Lite & Wrap Strap



- Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable – made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent • 10 per pack

Part No.	Description	1	10
700699	1/2"W x 8"L, rainbow R	$8.75	$8.55
700701	1/2"W x 8"L, black R	8.75	8.55
744624	1/2"W x 10"L, rainbow R	12.25	11.99
744632	1/2"W x 10"L, black R	12.25	11.99

3M Tape Wire Marker



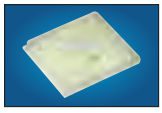
- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W

Part No.	Description	1	10
159231	Numerical tape dispenser	$37.89	$35.95

Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- ***Sold in increments of 10***

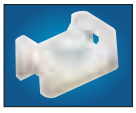
For more Cable Tie Mounts and Cable Clamps visit www.Jameco.com



182942/171214
71407/71395/71386



70595



182301/173761



173737

Part No.	Cross Ref. No.	Description	10	100	1000
182942	0505HC-101S R	4-way cable tie mount, self adhesive, .75"D	$.076	$.072	$.069
171214	HC-100 R	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.156	.113	.11
71407	HC-101 ⊕	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.185	.165	.134
71395	HC-102 R	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.30	.228	.156
70595	HC-0 R	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.17	.102	.057
182301	0510HC-2 R	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.15	.14
173761	HC-1 ⊕	Cable tie, saddle type, 0.6"L x 0.4"W	.15	.091	.068
173737	UC1	Cable clamp for 1/4" cable	.15	.097	.068

Cable Tie Tool



- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action
- Metal

Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7 R	$19.15	$17.99	$16.86

Rip-Tie Cable Wrap



- Patented – one end permanently attaches to the cable and the other end has a pull tab
- Durable – made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent • 3 per pack

Part No.	Description	1	10
700681	1"W x 6"L, black R	$8.49	$8.29

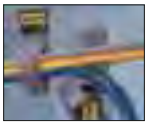
Rip-Tie Gecko Tape



- Low cost
- Non-adhesive, self-gripping tape

Part No.	Description	1	10
744667	1/2"W x 30'L, black R	$4.79	$4.69
744675	1/2"W x 75'L, black R	11.69	11.45

Rip-Tie Cable Catch



- Easy to install, simply peel-away adhesive cover of the cable catch • 5 per pack
- Anchor cords, cables, & wires neatly along surfaces and out of the way
- Acrylic pressure sensitive adhesive securely attaches to equipment racks, desks, or walls
- Pull of the tab releases bundle for easy rearranging and quick equipment set-ups

Part No.	Description	1	10
744683	1"W x 4"L, black R	$15.59	$15.25

For more Rip-Tie Cable Products visit www.Jameco.com

Split Loom Cable Wrap

Bundle and protect cables and cords.



- High temperature rating
- 1/2" diameter with slit
- Color: black
- 25' spool

Part No.	Description	1	10
1585531	25' split loom	$9.95	$8.95

Nylon Cable Ties

Standard



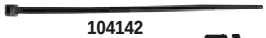
70561

- Cable ties made from UL approved Nylon 6.6
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182677:white)
- ***Sold in increments of 100***

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70561	18 R	3.1 x 0.10	$.025	$.015
126544	18 R	4.0 x 0.10	.025	.017
182677	18 R*	4.75 x 0.13	.03	.025
182651	18 R	5.5 x 0.13	.035	.025
139150	18 ⊕	8.0 x 0.10	.048	.04
182669	18 R	8.0 x 0.13	.075	.05
182685	18 R	8.0 x 0.18	.036	.033
70907	40 R	5.8 x 0.10	.035	.029
190756	40	10.0 x 0.14	.12	.086
190772	40	11.0 x 0.19	.109	.075
190764	40 ⊕	13.0 x 0.14	.115	.083

* White

Weather Resistant



104142

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- ***Sold in increments of 100***

UV Resistant

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125	18 ⊕	3.0 x 0.90	$.045	$.034
104142	18 R	4.0 x 0.10	.044	.029
104134	40 R	5.8 x 0.10	.058	.038
190782	40 R	8.0 x 0.13	.108	.083
190800	40 R	10.0 x 0.14	.115	.093
190802	40 R	13.0 x 0.14	.134	.104

Cable Tie Assortments



145701

145701 (closeup)

- Tensile strength: 18-50 lbs.

145701:
1000 pcs. (4"L); 10 colors

150412:
500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors

Part No.	Wt. (lbs.)	1	10	50
145701	0.7 ⊕	$9.99	$8.99	$7.99
150412	1.7	16.99	15.99	14.99

Nylon Cable ID Ties and Tabs



- Clear ID tab (0.98" x 0.31")
- ***Sold in increments of 10***

Part No.	Size	10	100	1000
71062	4.0"L x 0.1"W R	$.091	$.085	$.076

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series



Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: $10^{14}\Omega$-cm

Black (4 foot pieces)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419101	FIT221B-3/64	.046/.023	$.67	$.60	$.57
419127	FIT221B-1/16	.063/.031	.93	.70	.67
419143	FIT221B-3/32	.093/.046	.72	.64	.61
419160	FIT221B-1/8	.125/.062	.86	.77	.76
419186	FIT221B-3/16	.187/.093	.95	.84	.83
419207	FIT221B-1/4	.250/.125	1.43	1.28	1.26
419223	FIT221B-3/8	.375/.187	1.31	1.17	1.11
419240	FIT221B-1/2	.500/.250	1.48	1.32	1.26

Clear (4 foot pieces)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419119	FIT221-3/64	.046/.023	$.72	$.65	$.63
419135	FIT221-1/16	.063/.031	.88	.74	.70
419151	FIT221-3/32	.093/.046	.80	.74	.68
419178	FIT221-1/8	.125/.062	.90	.81	.78
419194	FIT221-3/16	.187/.093	1.35	1.19	1.04
419215	FIT221-1/4	.250/.125	1.75	1.56	1.37
419231	FIT221-3/8	.375/.187	1.55	1.37	1.32
419258	FIT221-1/2	.500/.250	1.75	1.60	1.50
419274	FIT221-3/4	.750/.375	2.45	2.29	2.14
419291	FIT221-1	1.00/.500	3.79	3.39	3.21

Black (6 inch pieces)

Part No.	Product No.	Min./Max. ID (ins.)	Bags of	1	5
419389	FIT221B-3/64	.046/.023	40	$14.55	$12.69
419400	FIT221B-1/16	.063/.031	36	13.45	12.62
419426	FIT221B-3/32	.093/.046	32	14.05	12.62
419442	FIT221B-1/8	.125/.062	28	12.19	11.84
419469	FIT221B-3/16	.187/.093	24	14.05	12.62
419485	FIT221B-1/4	.250/.125	20	12.95	12.69
419506	FIT221B-3/8	.375/.187	16	13.89	13.14
419522	FIT221B-1/2	.500/.250	14	12.05	11.06
419549	FIT221B-3/4	.750/.375	12	13.39	12.59
419565	FIT221B-1	1.00/.500	8	12.95	12.15

Clear (6 inch pieces)

Part No.	Product No.	Min./Max. ID (ins.)	Bags of	1	5
419397	FIT221-3/64	.046/.023	40	$13.45	$12.62
419418	FIT221-1/16	.063/.031	36	13.39	12.62
419434	FIT221-3/32	.093/.046	32	12.95	12.62
419451	FIT221-1/8	.125/.062	28	13.39	13.00
419477	FIT221-3/16	.187/.093	24	12.95	12.54
419493	FIT221-1/4	.250/.125	20	13.39	12.62
419514	FIT221-3/8	.375/.187	16	12.95	12.54
419531	FIT221-1/2	.500/.250	14	12.05	11.06
419557	FIT221-3/4	.750/.375	12	13.39	12.62
419573	FIT221-1	1.00/.500	8	13.39	12.62

More Alpha Heat Shrink Tubing at www.Jameco.com

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black



Polyolefin Tubing

- Shrink temp: 90°C
- *Only sold in 10' & 100' lengths*

Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834	0.12" (3)	10	$1.65	$1.56
644851	0.12" (3)	100	10.59	10.10
644869	0.16" (4)	10	1.73	1.65
644877	0.16" (4)	100	14.75	13.98
644906	0.20" (5)	10	1.55	1.47
644914	0.20" (5)	100	17.99	17.10
644931	0.24" (6)	10	1.69	1.64
644949	0.24" (6)	100	16.49	15.67
644957	0.31" (8)	10	2.29	2.17
644965	0.31" (8)	100	21.59	20.99
644973	0.43" (11)	10	3.35	3.23
644981	0.43" (11)	100	29.99	28.50
644990	0.59" (15)	10	3.69	3.16
645001	0.59" (15)	100	35.99	34.19

Polyolefin Flexible Tubing





72063

- Dielectric strength: 1300V
- Flame retardant
- Shrink temp.: 90°C
- Temp. range: -45°C to +125°C

*** Precut 39" length (1 meter)**

Quantity SAVE

Part No.	Dia. Before (mm)	1*	10*	100*
71327	.059" (1.5) ⊕	$.66	$.56	$.492
71871	.079" (2.0)	.55	.45	.39
71280	.098" (2.5) ⊕	.69	.59	.44
72063	.197" (5.0) ⊕	1.07	.92	.69

Heat Gun/Stripper

Dual-Setting



- Use with heat shrink material
- Dual heat setting: 600°F/1100°F
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed

Part No.	Description	Size	1	10	25
76865	Heat gun ⊕	9.3"L x 7.0"W	$39.95	$35.95	$31.95

FLEXO® Clean-Cut Braided Sleeve



- Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Color: black
- Cut and abrasion resistant
- UV resistant
- Length: 25 feet
- Maintains properties across wide temperature range

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia.(ins.)	Outside Dia.(ins.)	1	10
162157	CCP0.25BK25	5/32 – 7/16	0.250	0.440	$15.99	$14.99
162165	CCP0.50BK25	1/4 – 3/4	0.500	0.750	17.99	16.99
690013	CCP0.75BK25	5/8 – 1	0.750	0.798	18.99	17.99
690021	CCP1.00BK25	3/4 – 1 3/16	1.000	1.048	19.99	18.99
690030	CCP1.25BK25	1 – 1 1/2	1.250	1.298	20.99	19.99
690048	CCP1.50BK25	1 1/4 – 2	1.500	1.548	22.99	21.99

For more Techflex FLEXO® Braided Sleeving, visit us online at www.Jameco.com

FLEXO® PET Braided Sleeve



- Braided from 10 mil polyethylene terepthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- Color: black
- High tensile strength
- Cut and abrasion resistant
- UV resistant
- Maintains properties across wide temperature range
- Length: 25 feet

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia.(ins.)	Outside Dia.(ins.)	1	10
693679	PTN0.25BK25	1/8 – 7/16	0.250	0.300	$6.45	$6.10
693687	PTN0.38BK25	3/16 – 5/8	0.375	0.425	9.45	8.96
695383	PTN0.50BK25	1/4 – 3/4	0.500	0.550	11.85	10.59
695391	PTN0.75BK25	1/2 – 1 1/4	0.750	0.800	15.85	15.05
695412	PTN1.25BK25	3/4 – 1 3/4	1.250	1.300	20.35	19.24

3M Heat Shrink Tubing Kit



285481



645976

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation.

285481:
Black 102 pieces

- Assorted pre-shrink sizes: 3/16" (30 pcs.); 1/4" (28 pcs.); 3/8" (20 pcs.); 1/2" (14 pcs.); 3/4" (6 pcs.); 1" (4 pcs.)
- Pre-cut to 6" lengths

645976: Assorted colors 133 pieces

- 7 colors: black, red, white, yellow, blue, green and clear
- Assorted pre-shrink sizes: 3/32" (35 pcs.); 1/8" (28 pcs.); 3/16" (21 pcs.); 1/4" (21 pcs.); 3/8" (14 pcs.); 1/2" (14 pcs.)
- Pre-cut to 6" lengths

1578461: Heat shrink tubing refill pack

- Color: black
- Length: 4 ft.
- Inner diameter: 0.125"

Part No.	Description	1	5	10
285481	Black 102-pc. kit	$59.75	$56.79	$53.95
645976	Colors 133-pc. kit	59.99	56.99	54.15

Part No.	Product No.	1	10	100
1578461	FP301-1/8-4FT-BK♠	$1.12	$.86	$.73

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

Find more Heat Shrink Tubing online at www.Jameco.com

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Audio/Video Cables and Adapters



For more ValuePro Audio/Video Cables and Adapters visit www.Jameco.com

RCA Cables

EXCLUSIVE

● Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
228443	3' stereo RCA (2) male to (2) male plugs, gold plated	$1.75	$1.64	$1.52
183312	4' RCA male to male plug (black) ♻	1.19	1.05	.93
206974	4' RCA male to male plug (yellow) ♻	.99	.89	.79
106375	6' RCA male to male plug ♻	1.95	1.60	1.20
228419	6' mono RCA male plug to female jack	1.99	1.74	1.50
228486	6' RCA stereo (2) male plugs to (2) female jacks	1.25	1.15	1.05
228451	6' RCA stereo (2) male to (2) male plugs, gold plated	2.15	2.03	1.91
228401	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
228427	10' RCA female jack to male plug	2.39	1.97	1.81
29348	10' RCA male to male plug (yellow) ⊕ ●	1.75	1.58	1.38
228460	12' RCA stereo (2) male to (2) male plugs, gold plated	2.49	2.27	2.10
225980	12' RCA (3) male to (3) male plugs, gold plated	4.95	4.27	3.17
225998	20' RCA (3) male to (3) male plugs, gold plated	7.99	6.79	5.09
228435	25' mono RCA male to male plug, nickel plated	2.59	2.51	2.39
228478	25' RCA stereo (2) male to (2) male plugs, gold plated	2.89	2.75	2.63

Other Manufacturers — Great Deals

1810161	3' RCA (3) male (3) male plugs, gold plated	$2.95	$2.75	$2.49
1810152	6' RCA (3) male (3) male plugs, nickel plated	3.49	3.25	2.75

Video/Audio Patch Cables

Part No.	Description	1	10	25
228574	25' stereo video patch cable, gold plated	$6.99	$6.29	$5.65
228582	50' stereo video patch cable, gold plated	14.35	12.94	11.62

3.5mm Audio Patch Cables

Part No.	Description	1	10	25
319206	27" 3.5mm mono male to male plug	$1.43	$1.23	$1.16
664288	3' 3.5mm stereo male to male plug (black)	1.09	.99	.75
228494	6' 3.5mm stereo male to male plug (black)	1.45	1.26	1.05
228515	6' 3.5mm stereo male plug to female jack	1.95	1.79	1.69
228507	12' 3.5mm stereo male to male plug (black)	1.69	1.49	1.29
228523	12' 3.5mm stereo male plug to female jack	1.98	1.79	1.62

3.5mm Female Jacks and Male Plugs



- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231160/231167: With spring strain relief

EXCLUSIVE

For more ValuePro Jacks and Plugs visit www.Jameco.com

Part No.	Cross Ref. No.	Description	1	10	100
109496	PJ035PM ♻	Mono F jack, 3.5mm hole size	$.53	$.472	$.425
165730	PJ0354 ♻	Mono F jack, 3.5mm hole size	.79	.67	.56
101152	PJ1035 ♻	Mono male plug, plastic	.58	.45	.42
231160	PJ1035 ♻	Mono male plug, plastic	1.50	1.43	1.31
231176	AP-340 ♻	Stereo male plug, plastic	.66	.516	.432
231167	AP-343 ⊕	Stereo male plug, metal	2.15	1.92	1.74

S-VHS Cables and Adapters

EXCLUSIVE

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.



- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, & DVD players

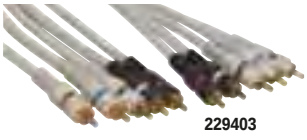
For more ValuePro S-VHS Cables and Adapters visit www.Jameco.com

Part No.	Description	1	10	25
228591	6' S-VHS video cable, gold plated	$2.15	$1.95	$1.79
228603	12' S-VHS video cable, gold plated	2.65	2.35	2.10
228611	25' S-VHS video cable, gold plated	4.05	3.85	3.65
229809	S-video 4-pin mini DIN female to female jack	2.85	2.59	2.29
229391	S-video male plug to RCA video female jack	5.39	4.85	4.39

Other Manufacturers — Great Deals

683075	S-video M-RCA female jack adapter	$4.95	$4.49	$3.37

Component Video and Audio Cables



- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality

Part No.	Description	1	2	5
228620	6' component video RGB cable	$9.99	$8.99	$7.96
229403	6' component video RGB and stereo audio cable	14.95	13.46	12.11

BNC To RCA Cable

Fully molded nickel connectors.
Used for displays that require a single BNC connection from a PAL/NTSC video source.



Part No.	Description	1	10	50
683059	RG-59 BNC to RCA cable	$3.95	$3.49	$2.95

www.Jameco.com

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We're Listening to What You Need

Our goal is to provide you with more of what you want.
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Please send your requests to **NewProducts@Jameco.com**.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

RCA Metal Plugs


229876

- High-quality metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Product No.	Description	1	10	25	100
229876	JR0101BLK	Black stripes ⊕	$2.27	$2.03	$1.86	$1.67
229868	JR0101R	Red stripes ⊕	2.27	2.03	1.86	1.67

RCA Plastic Plugs


229930

- High-quality plastic RCA plugs

Plastic screw-on cover w/ integral cable protection

Part No.	Product No.	Description	1	10	25	100
229921	JR1625BLK	Black (5 pk)	$1.15	$1.05	$.91	$.82
229930	JR1625R	Red (5 pk)	1.15	1.05	.91	.82

RCA Jacks

For more RCA Jacks visit www.Jameco.com


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions (WxDxH)	1	10	100
220581	1	PCB mount, white ⊕	.44" x .56" x .48"	$.45	$.31	$.28
220556	1	PCB mount, red ⊕	.44" x .56" x .48"	.51	.34	.31
112476	1	PCB mount, red	.44" x .58" x .48"	.47	.42	.372
169502	2	PCB mount, black	.40" x .85" x .50"	.47	.42	.384
1537150	3	PCB mount, red/white	1.1" x .40" x .51"	.69	.63	.49
689881	4	PCB mnt., 1x3 grid, rd/wt/ylw	1.7" x .61" x .62"	.99	.89	.79
159485	5	Panel mount, black	.84"W x .38"H	.68	.517	.47
172340	5	Panel mount, red	.84"W x .38"H	.59	.468	.372
319249	6	Panel mnt., 1x4 grid, red/blk ⊕	2.9" x .48" x .98"	1.43	1.19	1.13

RCA/Phono Jacks

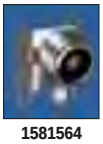
KEYSTONE

- Snap-fit mount

For more Keystone RCA/Phono Jacks visit www.Jameco.com

Part No.	Product No.	Color	1	5	50
1581513	577	Vertical, red	$.74	$.71	$.69
1581564	901	90°, black	1.06	1.04	1.02


1581513


1581564

Audio Adapters and Cables


228283


228267


139038


228371


228355


228380


228398

RCA Audio Adapters

Part No.	Prod. No.	Description	1	10	25
228283	251-120	RCA **F** jack to mono 1/4" **M** plug	$.99	$.89	$.69
228267	251-116	RCA **F** to **F** jack coupler, gold plated	.95	.79	.55

RCA Y-Cables

139038	AC-27-5FT	5' Y-cable 1/8" stereo **M** plug to (2) RCA **M** plugs	$2.25	$1.99	$1.79
682793	WCA2274G	6" Y-cable 1/8" stereo **M** plug to (2) RCA mono **M** plugs	2.29	2.09	1.89
228371	255-025	6" Y-cable (2) RCA **M** plugs to RCA **F** jack	1.11	.99	.90
228355	255-010	6" Y-cable RCA **M** plug to (2) RCA **F** jacks	1.85	1.63	1.51
228380	255-038	6" Y-cable (2) RCA **F** jacks to 3.5mm stereo plug	1.95	1.76	1.59

3.5mm Y-Cables

228398	255-042	6" Y-cable (2) 3.5mm stereo **F** jacks to 3.5mm stereo **M** plugs	$1.95	$1.65	$1.35
228380	255-038	6" Y-cable (2) RCA **F** jacks to 3.5mm stereo **M** plug	1.95	1.76	1.59

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More Audio/Video Adapters & Cables available on our website. Visit us online today!

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.100" Housings	100-101 +WEB
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Wire	107-108,117
XLR	92-93 +WEB

Microphone (XLR) Connectors & Adapter

JAMECO ValuePro

Jameco EXCLUSIVE

Lower $$$


319011


319003


319038

Part No.	Cross Ref. No.	Description	1	10	100
319011	250-710 ⊕	3-pin male, metal	$2.49	$2.05	1.75
319003	250-720 ⊕	3-pin female, metal	2.49	2.05	1.75
319038	250-705 ⊕	3-pin female, metal, panel mount	4.15	3.39	2.29

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Audio Plugs and Jacks

For more Switchcraft Connectors visit www.Jameco.com

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
281869	750	1	3.5mm mono audio plug, plastic	14.0 x 41.5 x 5.7 ID	$3.09	$2.36	$2.30
297297	850	2	2.5mm mono phone audio plug, plastic	25.8 x 6.35 Dia.	2.89	2.83	2.60
281789	297	3	1/4" stereo phone audio plug, metal	73.7 x 7.6 ID	5.29	4.71	4.28
281771	280	4	1/4" mono phone audio plug, metal	73.7 x 7.6 ID	3.95	3.12	3.09
281762	267	5	1/4" stereo phone audio plug, plastic	73.7 x 7.6 ID	4.85	4.06	3.73
281754	250	6	1/4" mono phone audio plug, plastic	73.7 x 7.6 ID	3.25	2.81	2.57
281746	12B	7	1/4" stereo phone audio jack	14.7 x 9.1 Dia.	1.79	1.66	1.59
281738	11	8	1/4" mono phone audio jack	12.8 x 9.1 Dia.	1.67	1.55	1.43
296892	12A	7	1/4" mono phone audio jack, metal	31.7 x 9.4 Dia.	1.75	1.61	1.59
1766121	35RAPC2AV♠	9	3.5mm mono jack, RA vert., plastic	11.0H x 7.5W x 14D	.94	.81	.76
1766155	35RAPC2BV4♠	9	3.5mm mono jack, RA vert., plastic	12.3H x 8.1W x 14D	1.99	1.66	1.49
568392	35RAPC4BH3♠	10	3.5mm stereo jack, RA hor., plastic	6.0H x 11.0W x 8.0D	1.19	1.09	1.05
1766180	35RAPC4BHN2	10	3.5mm stereo jack, RV hor., plastic	5.0H x 12.0W x 15.0D	1.27	1.01	.91
1766198	35RAPC4BV4	11	3.5mm stereo jack RA vert., plastic	12.3H x 8.1W x 14.0D	1.35	1.17	1.12
1766219	35RAPC7JS♠	12	3.5mm dual stereo jack, vertical	26.7H x 15.0W x 13.7D	5.59	4.77	4.45
1773996	MDPC2ARA	13	2.5mm mono phone audio jack, RA submini	7.8W x 8.7Wx 12.8D	2.69	1.89	1.72
1774913	RN111PC♠	14	1/4" mono phone audio jack, RA PCB	17.17H x 15.8W x 32.5D	2.15	1.47	1.44
1774930	RN112BPC♠	15	1/4" stereo phone audio jack, RA PCB	17.17H x 15.8W x 32.5D	2.19	1.79	1.72

Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
281842	712A	16	2.5mm DC power jack, panel mount	15.8 x 7.5 Dia.	$2.39	$1.79	$1.67
1768329	712RA♠	17	2.5mm DC power jack, PCB locking	19.6 x 10.9 Dia	3.49	2.31	2.19
281851	722A	16	2.1mm DC power jack, panel mount	15.1 x 7.5 Dia.	2.15	2.00	1.93
297553	PC712A	18	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia.	3.09	2.35	2.10
297529	L712A	19	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia.	3.75	3.17	3.01
281877	760	20	2.5mm x 5.5mm DC power plug, plastic	9.6 x 36.3 x 5.7 Dia.	2.49	2.13	2.04
1768492	76OK♠	21	2.5mm DC power plug, plastic locking	43.2 x 5.5 Dia.	4.75	3.95	3.16
297617	S760	20	2.1mm x 5.5mm DC power plug, plastic	25.4 x 9.5 Dia.	2.49	2.13	2.03
297289	761K	21	2.5mm DC power plug, plastic locking	45.7 x 5.5 Dia.	4.35	3.22	3.14

Microphone (XLR) Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
277026	A3F	22	3-pin female, metal	82.5 x 5.3 Dia.	$4.75	$3.86	$3.65
281560	A3M	23	3-pin male, metal	70.3 x 5.3 Dia.	4.09	3.49	3.36
281640	D3F	24	3-pin female, metal, panel mount	27.0W x 36.3H x 30.6D	5.65	4.98	4.57
281586	A4F	22	4-pin female, metal	82.0 x 5.5 Dia.	7.99	6.13	5.63
281594	A4M	23	4-pin male, metal	71.2 x 4.8 Dia.	5.09	4.54	4.16
281607	A5F	22	5-pin female, metal	82.0 x 4.7 Dia.	12.09	9.92	9.10
281615	A5M	23	5-pin male, metal	70.2 x 5.3 Dia.	10.39	7.89	7.24
281623	A6F	22	6-pin female, metal	80.2 x 4.6 Dia.	15.19	11.42	10.46
281711	D6M	25	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D	12.35	11.80	10.99
1774702	PQG3FRA112♠	26	3-pin female RA PCB w/ lock, plastic	30.0H x 27.0W x 27.1D	6.49	6.18	5.87
1774711	PQG3MRA112♠	27	3-pin Male RA PCB w/ lock, plastic	30.0H x 27.0W x 27.1D	7.39	5.57	4.45

Tini Q-G® Miniature Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
1775422	TB3M♠	28	3-pin male receptacle, panel mount	13.7 x 11.9 Dia.	$6.99	$6.27	$5.54
1775431	TB5M♠	28	5-pin male receptacle, panel mount	13.7 x 11.9 Dia.	9.89	7.54	6.91
1775617	TRA3M♠	29	3-pin receptacle, PCB Mount	15.1H x 15.4W x 27.0D	9.25	7.06	6.52

EN3™ Mini Weather-Tight Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
1772045	EN3P3M♠	30	3-pin male, panel mount	21.0 x 20.6 Dia.	$3.55	$3.20	$3.16
568499	EN3CAP♠	31	Endcap	—	1.05	.88	.85

DIN Connectors, Right Angle

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
672608	57PC5F♠	32	5-pin DIN receptacle,180; plastic	18.0H x 20.0W x 15.5D	$3.05	$2.90	$2.90
1767879	57PC5FS♠	33	5-pin DIN receptacle 180; shielded	18.0H x 20.4W x 15.0D	2.99	2.64	2.28


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12 Fig. 13 Fig. 14 Fig. 15 Fig. 16 Fig. 17 Fig. 18 Fig. 19 Fig. 20 Fig. 21 Fig. 22 Fig. 23 Fig. 24 Fig. 25 Fig. 26 Fig. 27 Fig. 28 Fig. 29 Fig. 30 Fig. 31 Fig. 32 Fig. 33

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

AMP CPC Circular Plastic Connectors



495091 | 495146 | 495031 | 495103 | Pin / Socket Type III+ | Pin / Socket Type XII

For more AMP CPC Connectors visit us online at www.Jameco.com

Series 1

Standard density, signal & low-current applications

- Accepts type III+; high-current type II & subminiature coax contacts
- Voltage rating: 600V (UL)

Free Hanging Receptacles

Part No.	Product No.	Arr.	Sex	1	10
495091	206429-1	11-4	Reverse	$2.49	$2.25

Square Flange Receptacles with Mounting Holes

495146	206043-1	17-14	Reverse	$2.29	$2.05
495200	206306-1	23-37	Reverse	2.79	2.60
495218	206430-1	11-4	Reverse	2.19	2.03

Plugs

495031	206044-1	17-14	Reverse	$2.79	$2.52
495074	206305-1	23-37	Reverse	3.89	3.53
495103	206708-1	13-9	Standard	3.25	2.94
495082	206060-1	11-4	Standard	2.45	2.33

Contacts

- Crimp type except for *P/N 526424
- Contact body – brass or phosphor bronze
- Finish:
  A: 30µ" gold over nickel **B:** Tin-lead
  C: 15µ" gold over nickel **D:** 50µ" gold over nickel
  E: Silver plated **F:** gold flash over nickel

Type III+ Snap-In Crimp Pins w/ Retention Spring

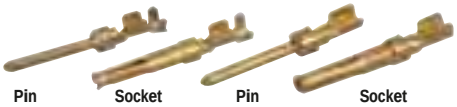
Part No.	Product No.	AWG	Finish	Type	1	100
526424	66180-1	18-16	A	Pin*	$.90	$.70
526432	66181-1	18-16	A	Socket	.82	.76
526459	66103-3	24-20	C	Pin	.40	.324
526563	1-66103-5	24-20	B	Pin	.34	.303
526379	66105-3	24-20	C	Socket	.51	.451
526504	1-66105-6	24-20	A	Socket	.40	.304

Type XII, Precision Formed Snap-In Crimp Pins

- Material: copper • Assist spring

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	AWG	Finish	Type	1	10
527363	66740-6 ✪	16-12	D	Socket	$6.99	$5.73
526601	66261-4	16-12	E	Pin	2.85	2.32



Pin / Socket With Insulation Support | Pin / Socket Without Insulation Support

Size 20DF Contacts

- Material: brass

Prepackaged: please order in increments of 10

Part No.	Product No.	AWG	Finish	Type	10	100
527531	66505-9	28-24	A	Socket†	$.15	$.136
223221	1-66505-0	28-24	F	Socket†	.18	.12
223247	745253-6	26-22	A	Socket†	.177	.157
223298	66504-9	24-20	A	Socket	.17	.15
223167	1-66506-0	24-20	F	Pin	.139	.129
223255	1-66504-0	24-20	F	Socket	.17	.15

† with insulation support

Series 2 — High density applications

- Voltage rating: 250V (UL) • Current: 7.5A max.
- Housing: thermoplastic black, UL94V-0 rated
- Feed thru contact: copper alloy, plated gold over nickel • 0.40" (1.02mm) pin diameter
- Max. wire insulation diameter: 0.068"
- Accepts size 20DF or 20DM crimp snap-in contacts

Plugs

495390	206485-1	11-9	Standard	$4.45	$3.99

AMP CPC Accessories

Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated



494063

Part No.	Product No.	Shell Size	Cable O.D. (max.)	1	10
494047	206062-3	28	.329"	$2.95	$2.72
494039	206062-1	28	.329"	3.15	2.84
494063	206070-1	17	.453"	3.19	2.86
493992	206322-1	17	.703"	4.15	3.39
749839	206138-8	23	.703"	3.29	2.91

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs

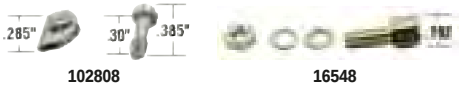


108987 | 102795 | 125015

✳ **Prepackaged: please order in increments of 10**

Part No.	Description	1	10	100	1000
196293	.252"L jack screw ⊕	$.27	$.21	$.12	$.085
169931	.275"L jack screw ⊕ .... ✳	.15	.112	.084	
172603	.315"L jack screw ..... ✳	.121	.101	.076	
102816	.435"L jack screw ⊕	.69	.65	.59	.53
108987	.515"L jack screw	1.05	.96	.87	.77
125015	4-40 x 1.65"L plastic beige thumbscrew	.39	.35	.32	.25
175636	.187"L standoff ⊕ ..... ✳	.21	.15	.10	
102795	.236"L (6mm) stdf ⊕ .. ✳	.263	.188	.125	

4-40 Screw Sets



102808 | 16548

102808: 4-40 screw (.385"L) and retainer set
16548: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

- **Prepackaged: please order in increments of 10**

Part No.	Description	10	100	1000
102808	Screw/retainer set ⊕	$.39	$.35	$.30
16548	Screw/nut set	.74	.60	.402

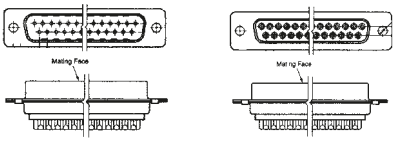
More Jack Screws for D-Sub Connectors on page 96 & 97

AMP D-Sub Connectors

- Dielectric withstanding voltage: 1000VAC (one min.)
- Low-cost, high-performance, precision formed crimp contacts • Insulation resistance: 5000MΩ
- Nylon, flame retardant, 94V-0 rated, glass filled
- UL/CSA recognized and certified
- Standard mounting method with 0.120" diameter mounting holes

Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solder wicking contact design



Plug | Receptacle

Zinc-Plated Shell



222973 | 223044

Part No.	Product No.	Cont.	Description	1	10	100
222957	747904-4	9	Plug	$2.19	$1.83	$1.46
222973	747912-4	25	Plug	4.43	3.72	2.99
223036	747905-4	9	Receptacle	2.65	2.23	1.76
223044	747913-4	25	Receptacle	4.45	3.99	3.64

Tin-Plated Shell

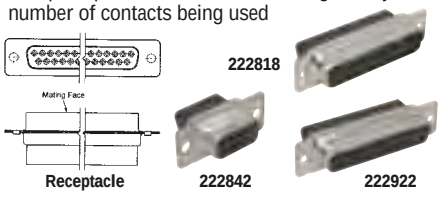


223010 | 223079

Part No.	Product No.	Cont.	Description	1	10	100
222990	747904-2 ⊕	9	Plug	$1.79	$1.73	$1.64
223001	747908-2 ⊕	15	Plug	2.87	2.69	2.44
223010	747912-2 ⊕	25	Plug	3.89	3.27	2.61
223028	747916-2 ⊕	37	Plug	4.29	3.99	3.70
223052	747905-2 ⊕	9	Receptacle	2.35	2.09	1.60
223061	747909-2	15	Receptacle	4.14	3.59	3.06
223079	747913-2	25	Receptacle	4.09	3.69	2.72
223087	747917-2	37	Receptacle	7.79	6.50	5.21

Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



222818 | Receptacle | 222842 | 222922

Tin-Plated Shell

Part No.	Product No.	Cont.	Description	1	10	100
222754	205204-3	9	Plug	$1.49	$1.19	$1.07
222797	205204-4	9	Plug*	.83	.75	.57
222818	207464-2	25	Plug*	.65	.59	.55
222826	205210-3	37	Plug*	1.43	1.17	1.07
222834	205212-3	50	Plug*	1.46	1.32	1.25
222842	205203-3	9	Recept.	.68	.56	.51
222922	207463-1	25	Recept.	.74	.67	.63

* With grounding indents

Interconnects

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AMP D-Sub Contacts

Size 20DF

- Material: pin: brass; socket: phosphor bronze
- Contact plating
- ***A:** Select – gold flash over nickel on entire contact, with additional gold (0.000030") on mating end;
  ***B:** gold flash over nickel on entire contact;
  ***C:** gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
- For use with AMP D-sub connectors (see left)

More AMP products available on our website. Visit us at **www.Jameco.com** today!

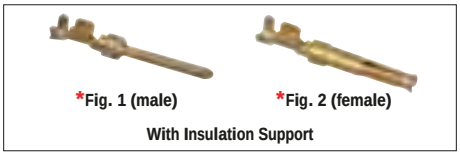


*Fig. 1 (male) *Fig. 2 (female)

With Insulation Support

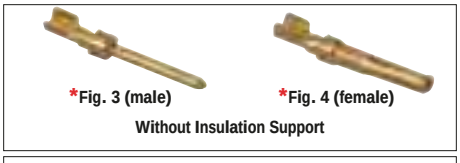


*Fig. 3 (male) *Fig. 4 (female)

Without Insulation Support

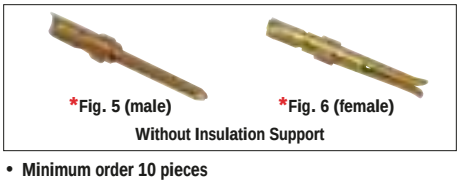


*Fig. 5 (male) *Fig. 6 (female)

Without Insulation Support

- **Minimum order 10 pieces**

Male Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223167	1-66506-0	1B	24-20	$.139	$.129	$.119
838399	2-66506-4	3B	24-20	.092	.072	.049

Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221	1-66505-0	2B	28-24	$.18	$.12	$.09
223247	745253-6	2A	26-22	.177	.157	.118
223255	1-66504-0	2B	24-20	.17	.15	.11
860001	66504-4	2B	24-20	.128	.085	.055
223271	5-66504-7	2C	24-20	.168	.145	.123
223298	66504-9	2A	24-20	.17	.15	.13

Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982	66570-3	5A	28-24	$.231	$.222	$.218

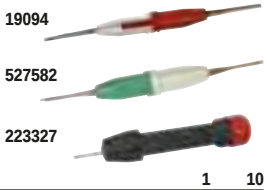
Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319	66569-3	6A	18 (max.)	$.231	$.222	$.218

AMP D-Sub Pin Insertion/Extraction Tools

19094/527582: Plastic body; metal tips

223327: Handle with .050" hex wrench and exchangeable tips



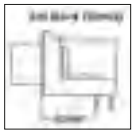
Part No.	Description	1	10
19094	Red/white plastic body	$3.65	$3.21
527582	AMP# 91067-1	6.89	6.55
223327	AMP# 91285-1	19.99	18.99

JAMECO ValuePro D-Subminiature Connectors

Jameco Exclusive

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)
- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

Right Angle PC Mount



Metal .318" Set Back

- Short style
- Lead length: .138"
- Lead spacing: .115"
- Current rating: 1A

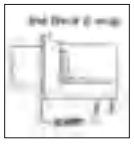


15150

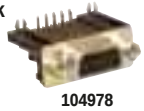
Part No.	Cross Ref. No.	Cont.	Gender	1	10	100	500
104943	DB9P318	9	M	$.61	$.56	$.50	$.422
104952	DB9S318	9	F	.66	.61	.54	.495
71125	DA15P318	15	M	.79	.66	.61	.544
77956	DA15S318 ⊕	15	F	.79	.69	.65	.45
71466	HDDB15S318 ⊕	15*	F	.59	.53	.48	.39
15150	DB25P318	25	M	.84	.67	.62	.57
15182	DB25S318	25	F	1.05	.94	.85	.78
265439	DSUB-25F	25	F	.94	.84	.67	.51
71707	DC37P318	37	M	1.05	.94	.85	.70
78183	DC37S318	37	F	1.99	1.65	1.49	1.35

*High Density

Metal .590" Set Back



- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Long style



104978

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
104969	DB9P590 ⊕ ✪	9	M	$1.07	$.90	$.78
104978	DB9S590	9	F	.96	.85	.81
104994	DA15S590	15	F	1.19	1.03	.71
105006	DB25P590	25	M	1.01	.91	.81
105014	DB25S590	25	F	1.29	1.15	1.02

IDC Ribbon Cable

Jameco Exclusive

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temperature range: -55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see cross ref. no.)

SALE



12432

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
109226	MDB9P †	9	M	$1.49	$1.38	$1.21
12503	CDB9P ⊕ ✪	9	M	2.49	1.79	1.59
109218	MDB9S †	9	F	1.69	1.34	1.17
12521	CDB9S	9	F	2.79	2.51	2.24
117381	MDA15P ⊕ ✪	15	M	1.98	1.59	.88
12299	CDA15P	15	M	1.85	1.47	.88
116011	MDA15S ⊕	15	F	1.55	1.32	.99
12319	CDA15S ⊕	15	F	1.79	1.50	.73
115983	MDB25P ⊕	25	M	2.65	2.38	1.99
12335	CDB25P ⊕	25	M	1.99	1.79	1.49
115976	MDB25S	25	F	2.39	2.14	1.80
12432	CDB25S	25	F	2.29	2.11	1.64
115992	MDC37P	37	M	2.49	2.24	1.61
12466	CDC37P ⊕	37	M	3.71	3.52	3.29
116004	MDC37S	37	F	3.59	3.26	2.94
12483	CDC37S	37	F	3.89	3.32	2.50

† Requires flat cable w/ .0625" centers ✪ Blue Part No. = Limited Qty

For Flat Ribbon Cable, see pages 84-85

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins



180890 38771 43369

- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use P/N 99443, pg 96, to crimp 43377, 43369

✳ **Prepackaged: please order in increments of 10**

Part No.	Description	1	10	100	1000
73189	DB9 M housing	$.49	$.39	$.31	$.19
73197	DB9 F housing	.49	.39	.31	.19
73201	DA15 M housing	.71	.64	.58	.516
73219	DA15 F housing	.75	.68	.60	.528
180882	HDDB15 M housing *	1.31	1.18	.94	.70
180890	HDDB15 F housing ⊕ *	1.01	.89	.81	.61
38789	DB25 M housing	.68	.528	.432	.252
38771	DB25 F housing	.55	.44	.31	.21
43377	M crimp pin ✳		.10	.09	.08
43369	F crimp pin ✳		.08	.07	.06
185421	M crimp pin (180882) ⊕ ✳		.055	.045	.04
185412	F crimp pin (180890) ⊕ ✳		.055	.05	.04
19094	Insert./extract. tool for above pins (HT101)	3.65	3.21	—	—

* High Density

Metal Solder-Cup

- Compatible with 24 AWG communications pg 84, and 22 AWG solid cable, pg 83



203799

Part No.	Contacts	Gender	1	10	100	1000
15748	9	M	$.61	$.47	$.38	$.25
15771	9	F	.66	.55	.49	.35
15078	15HD *	M	.81	.70	.58	.37
164823	15HD *	F	.80	.70	.60	.39
15035	15	M	.59	.532	.456	.315
15052	15	F	.65	.535	.426	.262
15115	25	M	1.08	.97	.86	.77
15157	25	F	.89	.80	.69	.61
203799	26HD ⊕ *	M	.65	.58	.52	.49
203782	26HD *	F	.75	.68	.61	.58
15473	37	M	1.09	.92	.86	.529
15500	37	F	1.43	1.26	1.02	.59
15676	50	M	1.98	1.79	1.62	1.19
15691	50 ⊕	F	1.89	1.48	1.41	1.05

Other Manufacturers — Great Deals

482687	25	M	$.80	$.75	$.57	$.43
482708	25	F	.80	.72	.62	.45
482724	37	F	.89	.80	.64	.48
482732	50	M	1.49	1.34	1.07	.81

* High Density

Metal Straight PC Mount

- Non-removable contacts
- Operating temperature: -65° to +250°F
- Current rating: 5A • 125 V_{RMS}

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111692	DB9PPCB	9	M	$.65	$.502	$.357
15781	DB9SPCB	9	F	.68	.56	.39
176760	DA15PPCB ⊕	15	M	.49	.44	.39
176752	DA15SPCB	15	F	.75	.65	.473
15123	DB25PPCB	25	M	.75	.65	.57
15166	DB25SPCB	25	F	.89	.81	.47
180021	DC37SPCB ⊕	37	F	.96	.90	.68

3M D-Sub Plugs & Sockets 8200 & 8300 Series

- Improved metal strain relief hooks directly to metal shell
- Insulation: glass filled polyester, gray, UL94V-0 • Low profile
- Contact material: copper alloy
- Plating: 100µ" nickel underplating; 30µ" gold wiping area
- Shell: steel/tin plated
- Strain relief: stainless steel
- Accepts 26-28AWG solid or stranded
- Current rating: 1A
- Open end; 0.120" diameter mounting style
- Insulation resistance: 1MΩ @ 500VDC
- Withstanding voltage: 1000V_{RMS}


1577881



1577961

Plugs

Part No.	Product No.	Positions	1	10	50
1577881	8209-6000R♠	9	$4.89	$4.18	$4.15
1577910	8215-6000R♠	15	5.65	5.16	4.75
1577928	8225-6000R♠	25	6.39	5.39	5.36
1577944	8237-6000R♠	37	8.29	6.97	6.93

Sockets

1577961	8309-6000R♠	9	$5.69	$4.48	$4.26
1577987	8315-6000R♠	15	6.99	6.52	6.11
1578007	8325-6000R♠	25	6.45	5.84	5.45
1578031	8337-6000R♠	37	8.39	7.07	7.03

3M D-Sub EMI Metal Junction Shell



- Provides EMI/ESD protection
- Material: steel with nickel plating
- Cover nut: glass filled polyester (PBT), UL94V-0 black
- For 9-position D-Sub connectors

Part No.	Product No.	Conn. Size	1	10	50
1576044	3357-9209R♠	9	$3.85	$3.51	$3.32

3M D-Sub Ribbon Connector Mounting Hardware Kits


1575931

- **1575914/1575931**: kit includes 2pcs. nut-4-40 UNC, lock washer, 0.03" dia. spacer, jack socket screw
- **1575990**: 2pcs. jack screw

Part No.	Product No.	Description	1	10
1575914	3341-1LR♠	0.50" jack socket	$1.75	$1.54
1575931	3341-1SR♠	0.13" jack socket	1.49	1.44
1575990	3342-2R♠	0.62" jack screw	1.23	1.05

D-Sub Connector Jack Screws


1582508

- 4-40 threaded
- Steel, zinc plated
- Length: .312"
- **Prepackaged: please order in increments of 5**

Part No.	Product No.	Description	5	50
1582209	7230R	Gold color	$.157	$.147
1582508	7230-5R	Clear chromate	.276	.246

www.Jameco.com

More Connectors & Hardware available on our website. Visit us online today!

Cinch D-Sub Metal Shells

- Insulator material: glass filled polyester (black) UL94V-0 rated • Current: 5A
- Insulation resistance: 5000MΩ max. (initial)
- Durability: 500 mating cycles


446483

Right Angle

- Contact material: socket – phosphor bronze (stamped); plugs – brass (stamped)
- Contact plating: gold flash, tin/lead on tails over nickel
- Metal shell: steel w/ tin plating (grounding indents on plugs) • Contact resistance: 15mΩ max.
- 0.318" footprint • Boardlock: brass w/ tin plating
- Female screwlocks: brass w/ nickel plating
- Withstanding voltage: 1250V_{RMS}

With 4-40 threaded inserts

Part No.	Product No.	Positions	Gender	1	25
1719885	DEKL-9PATI-E♠	9	M	$.88	$.54
1775908	DEKL-9SAT-E♠	9	F	.84	.73
446483	DBKL-25SAT-E25	25	F	1.23	1.09

With female screwlocks

1719893	DEKL-9PATI-F	9	M	$.85	$.76

D Series w/ Mounting Holes, Solder Cup


458142

- Connector shell: steel w/ zinc plating, yellow chromate finish or tin plating (grounding indents on plugs)
- 4-40 clinch nut: steel w/ cadmium plating and yellow chromate finish
- Contact material: copper alloy; plating: stamped contacts – gold flash
- Contact resistance: 2.7mΩ max.
- Dual float bushing: stainless steel, passivated
- Withstanding voltage: 1250V_{RMS}

Part No.	Product No.	Positions	Gender	1	25
458142	DA-15S	15	F	$2.39	$2.16
458126	DB-25P	25	M	2.69	2.47
458151	DB-25S	25	F	3.35	2.97

Cinch D-Sub Metal Junction Shells


1775916

- Shell material: zinc plated low carbon steel with yellow chromate finish
- Clamp & screw: zinc plated steel with yellow chromate finish
- Stop nut: zinc plated brass with yellow chromate finish

Round Clamp

Part No.	Product No.	Shell Size	Density	1	25
1775916	DA-20961♠	A	15	$6.35	$6.05
1719851	DB-20962	B	25	5.19	4.09

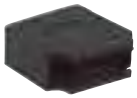
Cinch D-Sub Hardware


444912

- Female screwlocks: (2) washers, lockwasher, hex nut and nut are steel with zinc plating and yellow chromate finish
- Male screwlocks: clip and screw are steel with zinc plating and yellow chromate finish

Part No.	Product No.	Description	Length	1	25
1719746	D-20418-2♠	Screw lock F	0.312"	$1.35	$1.20
444912	D-20418-39	Screw lock F	0.628"	1.25	1.11
1775924	D-20419-0♠	Screw lock M	0.250"	.52	.47
1775932	D-20419-16♠	Screw lock M	0.250"	.81	.71
1719771	D-20420-12♠	Screw lock M	0.281"	.91	.86

AMP Plastic Hoods for D-Sub Connectors


230914

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Screw material: steel
- Screw plating: zinc
- Body material, cable support gate, and cable clamp: thermoplastic

Part No.	Product No.	Positions	1	10	100
230893	205729-1	9	$2.25	$1.84	$1.69
230914	205718-1	25	2.19	2.00	1.89

Jameco ValuePro D-Sub Connector Hoods


15086 Plastic


25620 Metallized

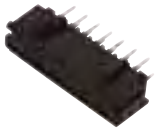
- Use with D-sub solder cup and housing style connectors (hardware included)

Jameco EXCLUSIVE

D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

Part No.	Cross Ref.	Connector	1	10	100	1000
15722	DB9HR	9-pin	$.55	$.51	$.44	$.39
25620	MDB9H	9-pin	.69	.56	.445	.399
147741	MHDB9R	9-pin	1.59	1.43	1.27	1.10
15019	DA15HR	15-pin	.69	.64	.57	.497
25567	MDA15HR	15-pin	.75	.56	.456	.393
15086	DB25HR	25-pin	.54	.468	.42	.384
25604	MDB25HR	25-pin	.75	.60	.509	.424
15106	MHDB25⊕	25-pin	1.55	1.33	1.22	1.14
15457	DC37HR	37-pin	.71	.66	.54	.468
25611	MDC37H⊕	37-pin	.85	.79	.68	.509
15660	DD50HR	50-pin	1.03	.88	.78	.67

AMP AMPMODU™ Interconnection ZIF-Line Connector



- 0.050" x 0.050" centerline cable to board connector
- Housing and cover: black thermoplastic, flame retardant, 94V-0 rated
- Contacts: phosphor bronze, plated 150µ" bright tin over 50µ" nickel on entire contact

Part No.	Product No.	Positions	1	10	100
752667	487576-6R	14	$1.79	$1.63	$1.48

Non-Insulated Terminal D-Sub Crimping Tool



14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return
- Size: 7.3"L x 1.5"W

Part No.	Product No.	1	10	25
99443	HT202AR	$9.49	$8.55	$7.69

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AMP AMPLIMITE™ D-Sub Connectors

HD-20 Right Angle PCB Mount 0.318" Setback


614125


614248

- Housing: 94V-0 rated thermoplastic, black
- Front shell: steel, tin plated • Lead length: 0.125"
- Lead diameter: 0.026" • Lead spacing: 0.108"
- Socket plating: **A:** 30µ" gold mating end, tin-lead terminating end, nickel under plated; **B:** gold flash mating end, tin-lead terminating end, nickel under plated

For more AMPLIMITE™ Connectors visit www.Jameco.com

Without board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	25
614125	745781-4	A	9	F	$1.95	$1.74
614248	745250-4	A	9	M	2.19	2.00
614141	745783-4	A	25	F	2.85	2.45

With board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	25
614504	747844-4	A	9	F	$2.05	$1.91
614441	747840-4	A	9	M	1.45	1.29
614539	747845-4	A	15	F	1.79	1.65
614467	747841-4	A	15	M	2.19	1.98
614555	747846-4	A	25	F	2.35	2.33
614475	747842-4	A	25	M	3.25	2.92
614547	747846-3	B	25	F	2.55	2.15

HDF-20 Low Profile Metal Shell (For Round Conductor Flat Ribbon Cable)


614301


614387

- Housing cover and cable stabilizer: 94V-0 rated thermoplastic, black • Front shell: steel, tin plated
- Contacts: phosphor bronze with 30µ" gold on mating end, 100µ" bright tin-lead terminating end, nickel underplated

With standard mounting holes

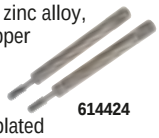
Part No.	Product No.	Pins	Gender	1	10	100
614301	747303-2	25	F	$7.25	$6.15	$5.69
614344	747306-2	25	M	7.09	6.33	5.56

Thermoplastic body w/ standard mounting holes

Part No.	Product No.	Pins	Gender	1	10	100
614387	747318-4	9	F	$4.45	$3.86	$3.38
614408	747321-4	9	M	4.85	4.12	3.61

AMP AMPLIMITE™ D-Sub Jackscrews

- Die cast shield material and finish: zinc alloy, plated bright nickel over bright copper
- Plastic shield: thermoplastic black
- 4-40 fillister head screws & hex nuts: steel, zinc plated
- 4-40 mounting screws: steel zinc plated
- Jackscrews: stainless steel, passivated


614424

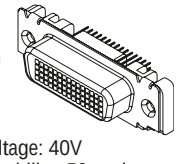
Part No.	Product No.	Thread Size	1	10
614424	747784-3	4-40	$1.89	$1.73

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

molex .050" (1.27mm) Pitch LFH™ Matrix 50 Shielded Receptacle

60 Circuit, Vertical



- High-performance, Low Force Helix terminal with contact layout .050" x .050"
- Same size as 15-pin D-sub for standard panel cut-outs and hardware use • Voltage: 40V
- Current: 1A • Durability: 50 cycles
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 500V
- Insulation resistance: 100MΩ min.
- Housing: glass filled polymer, UL94V-0
- Contact: beryllium copper alloy
- Plating: 30µ" min. gold over nickel in contact area, 100µ" min. tin/lead over nickel in PC tail area, 150µ" min. bright tin over nickel all over copper flash on shields

Part No.	Product No.	1	10	100
802222	70928-0002	$16.39	$15.64	$14.88

molex .062" (1.57mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Temperature range: -40˚C to +105˚C

Plugs


224485


224514


229948

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224485	03-06-2023 *	2	$.30	$.18	$.15
224506	03-06-2042 *	4	.24	.223	.206
224514	03-06-2044 **	4	.26	.202	.189

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229948	03-06-2024 *	2	$.37	$.308	$.223
230041	03-06-2062 **	6	.47	.26	.24

*In-line **Grid

Receptacles


224400


224442


229956

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224400	03-06-1023 *	2	$.33	$.198	$.149
224418	03-06-1032 *	3	.31	.19	.16
224426	03-06-1042 *	4	.36	.28	.266
224434	03-06-1044 **	4	.39	.27	.24
224442	03-06-1062 **	6	.54	.336	.30

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229956	03-06-1022 *	2	$.31	$.16	$.14

*In-line

For more Molex Connectors visit www.Jameco.com

molex .093" (2.36mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 12A per circuit
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Temperature range: -40˚C to +105˚C

Plugs


224071


229825


230105

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224071	03-09-2022 *	2	$.30	$.25	$.18
224080	03-09-2032 *	3	.41	.32	.21
224098	03-09-2042 *	4	.45	.22	.20
229825	03-09-2049 **	4	.46	.368	.351
224101	03-09-2062 **	6	.49	.39	.29

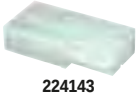
*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230105	03-09-2021 *	2	$.25	$.20	$.15

*In-line **Grid

Receptacles


224143


229817


230113

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224143	03-09-1022 *	2	$.30	$.25	$.18
224151	03-09-1032 *	3	.44	.25	.16
224160	03-09-1042 *	4	.46	.25	.22
229817	03-09-1049 **	4	.34	.299	.257
224178	03-09-1064 **	6	.25	.228	.206
224186	03-09-1094 **	9	.83	.71	.468

*In-line **Grid

With Mounting Ears

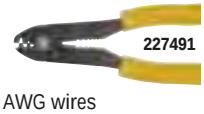
Part No.	Product No.	Circuits	1	10	100
230113	03-09-1027 *	2	$.23	$.188	$.168

*In-line **Grid

Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" crimp pin terminals and KK® series on pages 100 - 101.


308030


227491

308030: Cuts & strips 14-24 AWG wires
227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030	W-HT-1919	8.3"L	Red	$14.99	$13.99
227491	W-HT-1921	8.3"L	Yellow	14.99	13.99

Connector Extraction Tools


142156/142236
For .093" Connectors


227467/227395
For .062" Connectors

Part No.	Product No.	AWG	1	10
142156	W-HT-2285	18-30	$14.49	$13.49
227467	W-HT-2023	18-30	11.99	10.99
142236	W-HT-2038	14-30	14.49	13.49
227395	W-HT-2054	14-30	12.59	11.54

.062" (1.57mm) & .093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C • Tin plating
- **Prepackaged: please order in increments of 10**

Crimp-Type Contacts

For more Molex Contacts visit www.Jameco.com



.062" (1.57mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224565	02-06-2103	M	18-24	$.18	$.057	$.038
224581	02-06-2132	M	24-30	.188	.05	.04
224557	02-06-1103	F	18-24	.18	.057	.038
224573	02-06-1132	F	24-30	.07	.056	.038

.093" (2.36mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224207	02-09-2118	M	18-22	$.19	$.06	$.04
224223	02-09-2103	M	14-20	.18	.059	.04
224215	02-09-1119	F	18-22	.20	.07	.04
224231	02-09-1104	F	14-20	.18	.059	.042

Solder-Tail Contacts



.093" (2.36mm)

Part No.	Product No.	Gender	10	100	1000
224240	02-09-2133	Male	$.19	$.15	$.103
224258	02-09-1134	Female	.20	.14	.09

.093" Power Connector Kit

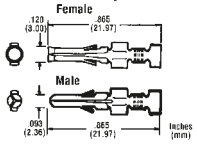
Assortment kit contains mating sets of housings and pins.

- Voltage: 250VAC • Current: 9A
- Temp. range: -40°C to +105°C
- 2 each 4-pin plugs & receptacles, 10 each female & male contacts

Receptacle Plug



Standard Crimp Contacts



Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Product No.	Description	1	10	50
142201	1490	4-pin kit	$5.69	$5.15	$4.65

AMPMODU™ Shunts

2-Position Low Profile

For more AMP Shunts visit www.Jameco.com



- 94V-0 rated housing
- 0.100" centerlines • Black
- One-piece contact construction
- High normal forces • Contacts: phosphor bronze
- **Prepackaged: please order in increments of 10**

Part No.	Product No.	Plating	10	100	500
836908	2-382811-1	Tin	$.092	$.074	$.073
421454	382811-8	5µ" gold	.087	.079	.074

www.Jameco.com

Our enhanced website offers thousands of new products. Find products quickly and order them easily!

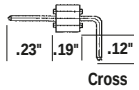
.100" (2.54mm) Male Solid Headers (Gold)

- Solder to PC boards for instant plug-in access via shorting blocks, pg 98
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- .025" square posts on a .100" x .100" matrix
- Current rating: 1 amp • Contact area: gold
- Snap apart to fit your application
- Temperature range: -55°C to +120°C
- Use with crimp connector housing, pg 107

Quantity SAVE

For more ValuePro Male Solid Headers visit www.Jameco.com

.100" Right Angle Single Row Male Headers



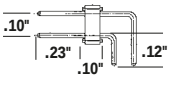
153728



153728

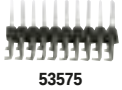
Part No.	Cross Ref. No.	Contacts	1	10	100	1000
153728	RMH08	8	$.49	$.45	$.35	$.29
103271	RMH36	36	.90	.77	.70	.492

.100" Right Angle Double Row Male Headers





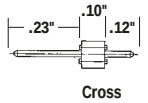
53575



53575

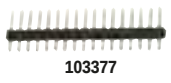
Part No.	Cross Ref. No.	Contacts	1	10	100	1000
203908	923804DR	4	$.42	$.38	$.30	$.22
203917	923806DR	6	.49	.44	.30	.24
203924	923808DR	8	.49	.44	.35	.26
203932	923810DR	10	.69	.62	.56	.46
203959	923814DR	14	.65	.58	.47	.352
203967	923816DR	16	.78	.71	.64	.516
203975	923818DR	18	.75	.68	.54	.41
53575	923820DR	20	.69	.64	.58	.51
53584	923826DR	26	.75	.65	.531	.375
53605	923840DR	40	.89	.79	.60	.53
53612	923850DR	50	.95	.81	.62	.54
103414	923872DR	72	1.35	1.13	1.02	.86
139563	923880DR	80	1.49	1.25	1.15	1.05

.100" Straight Single Row Male Headers



109576





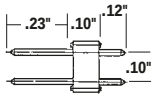
103377

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
108338	SMH02	2	$.20	$.16	$.14	$.13
109576	SMH03	3	.20	.17	.15	.135
117560	SMH04	4	.21	.17	.15	.135
153700	SMH06	6	.22	.17	.15	.135
153702	SMH08	8	.22	.20	.17	.15
103393	SMH10	10	.24	.20	.16	.12
103377	SMH17	17	.28	.16	.14	.13
103369	SMH20	20	.30	.27	.248	.227
202825	SMH22	22	.39	.36	.29	.21
103351	SMH25	25	.40	.266	.224	.171
103342	SMH30	30	.42	.319	.288	.258
68339	SMH36	36	.44	.399	.357	.305
160882	SMH40	40	.57	.52	.47	.42

.100" Straight Double Row Male Headers



67821





109568

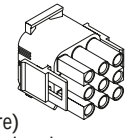
Part No.	Cross Ref. No.	Contacts	1	10	100	1000
115028	923804DS	4	$.21	$.11	$.09	$.07
115035	923806DS	6	.23	.211	.187	.164
109517	923808DS	8	.25	.23	.18	.16
67821	923810DS	10	.35	.29	.25	.19
203810	923812DS	12	.60	.55	.49	.44
118456	923814DS	14	.45	.40	.36	.33
109568	923816DS	16	.55	.49	.45	.39
203828	923818DS	18	.78	.71	.66	.57
53480	923820DS	20	.65	.57	.49	.46
203836	923822DS	22	.78	.70	.56	.42
203844	923824DS	24	.70	.65	.59	.49
203852	923828DS	28	.75	.69	.55	.39
203861	923832DS	32	.80	.74	.59	.52
53517	923834DS	34	.85	.78	.69	.62
203888	923836DS	36	.96	.87	.70	.516
53560	923850DS	50	.72	.62	.55	.51
68574	923860DS	60	.79	.71	.57	.423
103405	923872DS	72	.94	.83	.76	.64
117197	923880DS	80	1.08	.96	.90	.78

Other Manufacturers — Great Deals

53495	923826DS	26	$.35	$.299	$.237 ($.178)
53532	923840DS	40	.59	.53	.42 .31

.084" (2.13mm) MLX Pin and Socket Plug

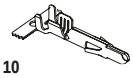
Lower $$$



- Intermateable, intermountable, and interchangeable with industry standard versions • Positive locks
- Voltage: 600V • Current: 13.5A
- Fully isolated contacts
- Insulation resistance: 1000Mfl min.
- Dielectric withstanding voltage: 2900V (headers), 5000V (wire-to-wire)
- Anti-stress positioning tabs to reduce breakage
- Plug housing: white nylon, UL 94V-2 rated
- Operating temperature: -55°C to 105°C

Part No.	Prod. No.	Grid Layout	1	10	100
800921	50-84-1020	1 x 2	$.23	$.17	$.14

Crimp Terminal



- 14-20 AWG • Tin plated • Male
- **Prepackaged: please order in increments of 10**

Part No.	Prod. No.	10	100	500
734709	02-08-2003	$.065	$.03	$.022

.100" & 2mm Shorting Blocks

For more ValuePro Shorting Blocks visit www.Jameco.com



22023 (open) 112432 (closed) 152671 (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Mate with male headers, above
- Pin material: phosphor bronze

Open: open on top to allow for a test point
Closed: closed top

119264: 2mm (for disk drives)

- **Prepackaged: please order in increments of 10**

Part No.	Description	10	100	1000
22023	Top open, black (.100")	$.12	$.09	$.06
119264	Top open, black (2mm)	.15	.13	.096
112425	Top open, blue (.100")	.15	.13	.096
112417	Top open, red (.100")	.12	.09	.06
19141	Top closed, black (.100")	.12	.09	.06
112442	Top closed, blue (.100")	.12	.09	.06
112432	Top closed, red (.100")	.20	.18	.12
152671	Top closed, black (.100")	.19	.15	.12

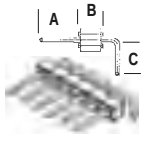
RoHS compliant product • This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

.100" (2.54mm) Male Breakaway Headers

- Voltage rating: 250VDC
- Insulation resistance: 1,000MΩ min.
- Contact resistance: 20mΩ initial max.
- Current rating: 3A
- Withstanding voltage: 500VAC/1 minute
- Housing: glass filled polyester, black (UL94V-0)
- Contact: 0.64mm (0.025") square



Straight



Right Angle

2556 Series Tin — Straight Single Row

- (A) 0.240"; (B) 0.100"; (C) 0.125"

Part No.	Cross Ref. No.	Pos.	1	10	25
677038	2556P02TL62	2	$.20	$.066	$.063
677046	2556P03TL62	3	.22	.143	.136
677054	2556P04TL62	4	.20	.183	.177
677062	2556P05TL62	5	.29	.27	.257
677071	2556P06TL62	6	.34	.314	.299
677089	2556P07TL62	7	.35	.335	.321
677097	2556P08TL62	8	.40	.37	.358
677100	2556P09TL62	9	.42	.386	.381
677118	2556P10TL62	10	.45	.418	.407
677126	2556P11TL62	11	.47	.441	.431
677134	2556P12TL62	12	.50	.477	.453

2556 Series Tin — Straight Single Row

- (A) 0.925"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
678971	2556P02TL58	2	$.23	$.191	$.175
678989	2556P03TL58	3	.20	.183	.172
678997	2556P04TL58	4	.30	.258	.23
679009	2556P05TL58	5	.34	.299	.266
679017	2556P06TL58	6	.35	.299	.266
679025	2556P07TL58	7	.35	.316	.292
679033	2556P08TL58	8	.40	.349	.31
679041	2556P09TL58	9	.46	.391	.346
679050	2556P10TL58	10	.47	.399	.355
679068	2556P36TL58	36	.96	.83	.76

2556 Series — Gold Straight Single Row

- (A) 0.286"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677142	2556P02WB00	2	$.44	$.391	$.346
677151	2556P03WB00	3	.46	.435	.413
677169	2556P04WB00	4	.73	.61	.58
677177	2556P05WB00	5	.98	.86	.82
677185	2556P06WB00	6	1.16	1.01	.99
677193	2556P07WB00	7	1.27	1.12	1.09
677206	2556P08WB00	8	1.45	1.27	1.25
677214	2556P09WB00	9	1.65	1.42	1.40
677222	2556P10WB00	10	1.79	1.58	1.55
677231	2556P11WB00	11	1.99	1.74	1.62
677249	2556P12WB00	12	2.15	1.88	1.85

2556 Series — Gold Straight Single Row

- (A) 0.240"; (B) 0.100"; (C) 0.125"

Part No.	Cross Ref. No.	Pos.	1	10	25
679084	2556P02JL62	2	$.21	$.191	$.177
679092	2556P03JL62	3	.30	.258	.233
679105	2556P04JL62	4	.30	.266	.241
679113	2556P05JL62	5	.31	.274	.249
679121	2556P06JL62	6	.35	.314	.294
679130	2556P07JL62	7	.35	.314	.298
679148	2556P08JL62	8	.36	.323	.308
679156	2556P09JL62	9	.45	.407	.388
679164	2556P10JL62	10	.45	.407	.366
679172	2556P36JL62	36	1.39	1.09	1.04

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

2557 Series Tin — Right Angle Single Row

- (A) 0.309"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677505	2557P02T000	2	$.20	$.172	$.154
677513	2557P03T000	3	.27	.249	.227
677521	2557P04T000	4	.40	.342	.289
677530	2557P05T000	5	.46	.428	.375
677548	2557P06T000	6	.59	.516	.454
677556	2557P07T000	7	.65	.498	.486
677564	2557P08T000	8	.79	.69	.61
677572	2557P09T000	9	.60	.56	.544
677581	2557P10T000	10	.90	.78	.68
677599	2557P11T000	11	.62	.57	.548
677601	2557P12T000	12	.69	.63	.62

2557 Series Tin — Right Angle Single Row

- (A) 0.244"; (B) 0.100"; (C) 0.120"

Part No.	Cross Ref. No.	Pos.	1	10	25
679199	2567P02TL39	2	$.28	$.238	$.226
679201	2567P03TL39	3	.24	.219	.208
679210	2567P04TL39	4	.38	.333	.316
679228	2567P05TL39	5	.41	.36	.342
679236	2567P06TL39	6	.41	.36	.342
679244	2567P07TL39	7	.51	.455	.432
679252	2567P08TL39	8	.51	.455	.432
679261	2567P09TL39	9	.54	.418	.396
679279	2567P10TL39	10	.46	.428	.406
679287	2567P36TL39	36	1.37	1.07	1.02

2557 Series — Gold Right Angle Single Row

- (A) 0.309"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677628	2557P02U000	2	$.38	$.357	$.342
677644	2557P03U000	3	.62	.522	.496
677652	2557P04U000	4	.62	.59	.56
677871	2557P05U000	5	.99	.88	.78
677880	2557P06U000	6	.90	.80	.72
677898	2557P07U000	7	.93	.83	.75
677901	2557P08U000	8	1.19	1.10	1.08
677919	2557P09U000	9	1.18	1.12	1.06
677927	2557P10U000	10	1.49	1.28	1.24
677935	2557P11U000	11	1.35	1.23	1.17
677943	2557P12U000	12	1.53	1.24	1.20

.100" (2.54mm) Pitch PCB Connectors

- Tin plated solder tail terminal
- Accepts 0.025" square posts
- Voltage rating: 250VAC
- Current rating: 3A
- Contact resistance: 40mΩ max.
- Contact material: brass
- Insulation resistance: 1,000MΩ min.
- Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1,000VAC/minute


Bottom Entry


Top Entry

Receptacle, Bottom Entry

Part No.	Cross Ref. No.	Pos.	1	10	25
676553	2405S02R000	2	$.29	$.249	$.224
676561	2405S03R000	3	.33	.264	.217
676570	2405S04R000	4	.49	.432	.381
676588	2405S05R000	5	.69	.62	.466
676596	2405S06R000	6	.70	.62	.498
676609	2405S07R000	7	.80	.71	.66
676617	2405S08R000	8	.82	.75	.60
676625	2405S09R000	9	.88	.82	.69
676633	2405S10R000	10	1.11	.91	.78
676641	2405S11R000	11	1.14	1.05	.86
676650	2405S12R000	12	1.38	1.29	1.07

Receptacle, Top Entry with Hooks

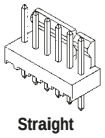
Part No.	Cross Ref. No.	Pos.	1	10	25
676668	2405S02V000	2	$.20	$.175	$.166
676676	2405S03V000	3	.33	.291	.276
676684	2405S04V000	4	.41	.357	.326
676692	2405S05V000	5	.44	.398	.368
676705	2405S06V000	6	.61	.498	.493
676713	2405S07V000	7	.71	.69	.63
676721	2405S08V000	8	.78	.70	.65
676730	2405S09V000	9	.70	.63	.61
676764	2405S10V000	10	.94	.76	.69
676772	2405S11V000	11	1.09	1.00	.91
676781	2405S12V000	12	1.22	1.14	1.00

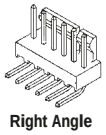
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More Leoco Headers & Connectors available online.
Visit our website today!

.100" (2.54mm) Pitch Solid Headers

- Voltage rating: 250VAC
- Current rating: 3A
- Contact material: brass, tin plated 0.025" square posts
- Insulation resistance: 1,000MΩ min.
- Contact resistance: 20mΩ max.
- Withstanding voltage: 1,000VAC/1 minute


Straight


Right Angle

Straight with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
677257	2571P02V000	2	$.20	$.174	$.155
677265	2571P03V000	3	.26	.206	.192
677273	2571P04V000	4	.32	.262	.243
677281	2571P05V000	5	.38	.312	.294
677290	2571P06V000	6	.44	.357	.337
677302	2571P07V000	7	.38	.363	.347
677311	2571P08V000	8	.51	.486	.459
677329	2571P09V000	9	.59	.518	.468
677337	2571P10V000	10	.69	.60	.532
677345	2571P11V000	11	.64	.61	.58
677353	2571P12V000	12	.70	.62	.56

Right Angle with Friction Lock

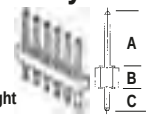
Part No.	Cross Ref. No.	Pos.	1	10	25
677960	2571P02H000	2	$.33	$.323	$.307
678006	2571P03H000	3	.34	.319	.279
678014	2571P04H000	4	.44	.42	.40
678022	2571P05H000	5	.42	.396	.377
678031	2571P06H000	6	.59	.548	.506
678049	2571P07H000	7	.74	.70	.69
678057	2571P08H000	8	.68	.60	.523
678065	2571P09H000	9	.88	.81	.74
678073	2571P10H000	10	.81	.75	.72
678081	2571P11H000	11	.95	.90	.88
678090	2571P12H000	12	.84	.79	.77

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

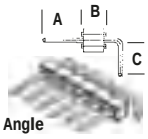
Color Code Legend: New Sale Lower$ QtySave

.100" (2.54mm) Male Breakaway Headers

- Insulation resistance: 1,000MΩ min.
- Voltage rating: 250VDC • Current rating: 3A
- Contact resistance: 20mΩ initial max.
- Contact: 0.64mm (0.025") square
- Withstanding voltage: 500VAC/1 minute
- Housing: glass filled polyester, black (UL94V-0)



Straight



Right Angle

Tin Straight Single Row

• (A) .286"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685741	22-28-4062	6	$.34	$.314	$.299
685767	22-28-4082	8	.40	.37	.358
685804	22-28-4122	12	.66	.62	.59

Tin Straight Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686233	22-28-4070	7	$.35	$.316	$.292
686268	22-28-4100	10	.47	.399	.355
686276	22-28-4360	36	.96	.83	.76

Gold Straight Single Row

• (A) .286"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685919	22-28-4105	10	$1.79	$1.58	$1.55
685935	22-28-4125	12	2.15	1.88	1.85

Gold Straight Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686372	22-28-4103	10	$.37	$.34	$.323
686381	22-28-4363	36	1.39	1.09	1.04

Tin Right Angle Single Row

• (A) .309"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685994	22-28-6050	5	$.46	$.428	$.375

Tin Right Angle Single Row

• (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686495	22-28-8360	36	$1.29	$1.02	$.97

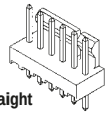
Gold Right Angle Single Row

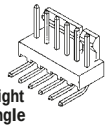
• (A) .309"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686081	22-28-6032	3	$.62	$.522	$.496
686111	22-28-6062	6	.89	.87	.83

.100" (2.54mm) Pitch Solid Headers

- Voltage rating: 250VAC • Current rating: 3A
- Contact material: brass, tin plated 0.025" square posts
- Insulation resistance: 1,000MΩ min.
- Contact resistance: 20mΩ max.
- Withstanding voltage: 1,000VAC/1 minute


Straight


Right Angle

Straight with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
687957	22-23-2021	2	$.20	$.174	$.155
687965	22-23-2031	3	.26	.206	.192
687973	22-23-2041	4	.32	.262	.243
687981	22-23-2051	5	.38	.312	.294
687990	22-23-2061	6	.44	.357	.337
688001	22-23-2071	7	.38	.363	.347
688036	22-23-2091	9	.59	.518	.468
688044	22-23-2101	10	.69	.60	.532
688061	22-23-2121	12	.60	.58	.56

Right Angle with Friction Lock

Part No.	Cross Ref. No.	Pos.	1	10	25
688212	22-05-3021	2	$.33	$.323	$.307
688221	22-05-3031	3	.34	.319	.279
688239	22-05-3041	4	.44	.42	.40
688247	22-05-3051	5	.42	.396	.377
688255	22-05-3061	6	.59	.548	.506
688263	22-05-3071	7	.74	.71	.70
688271	22-05-3081	8	.71	.68	.66
688280	22-05-3091	9	.86	.81	.78
688298	22-05-3101	10	.81	.75	.72
688301	22-05-3111	11	.78	.76	.72
688319	22-05-3121	12	.71	.68	.61

.100" (2.54mm) Pitch PCB Connectors



- Tin plated soldertail terminals
- Accepts 0.025" square posts
- Contact material: brass
- Contact resistance: 40mΩ max.
- Voltage rating: 250VAC • Current rating: 3A
- Insulation resistance: 1,000MΩ min.
- Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1,000VAC/1 minute

Receptacle, Top Entry with Hooks

Part No.	Cross Ref. No.	Pos.	1	10	25
688431	22-02-2025	2	$.20	$.175	$.166
688440	22-02-2035	3	.33	.291	.276
688458	22-02-2045	4	.41	.357	.326
688466	22-02-2055	5	.44	.398	.368
688474	22-02-2065	6	.61	.498	.493
688482	22-02-2075	7	.71	.69	.63
688491	22-02-2085	8	.78	.70	.65
688503	22-02-2095	9	.70	.63	.61
688511	22-02-2105	10	.94	.76	.69
688520	22-02-2115	11	1.09	1.00	.91
688538	22-02-2125	12	1.22	1.14	1.00

.100" (2.54mm) IDC Headers

- Housing: UL94V-0 rated, polyester, natural color


Fig. 1 (348074)


Fig. 2 (348251)

Friction Lock Headers

• Posts: copper alloy, gold over nickel plated

Straight Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348058	641215-2 ⊕	1	2	$.37	$.304	$.276
348066	641215-3 ⊕	1	3	.29	.245	.21
348074	641215-4 ⊕	1	4	.52	.442	.332

Right Angle Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348251	641216-4 ⊕	2	4	$1.14	$.98	$.74
348277	641216-6 ⊕	2	6	1.50	1.28	.96

.100" (2.54mm) Pitch Crimp Terminal Housing

- Current rating: 3A DC
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,000VAC/minute
- Housing: nylon 6/6, UL94V-0
- Operating temp.: -40˚C to +105˚C


Locking Ramp & Polarizing Rib


Locking Ramp

With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos.	1	10	25
675850	22-01-3027	2	$.20	$.137	$.111
675868	22-01-3037	3	.23	.191	.168
675876	22-01-3047	4	.20	.111	.105
675884	22-01-3057	5	.33	.283	.267
675892	22-01-3067	6	.38	.324	.313
675905	22-01-3077	7	.33	.306	.283
675913	22-01-3087	8	.49	.424	.412
675921	22-01-3097	9	.44	.404	.372
675930	22-01-3107	10	.41	.376	.347
675948	22-01-3117	11	.62	.548	.527
675956	22-01-3127	12	.56	.518	.477

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
676174	22-01-2027	2	$.20	$.117	$.093
676182	22-01-2037	3	.21	.183	.151
676191	22-01-2047	4	.25	.216	.196
676203	22-01-2057	5	.34	.222	.212
676211	22-01-2067	6	.24	.18	.168
676220	22-01-2077	7	.39	.332	.297
676238	22-01-2087	8	.26	.24	.228
676246	22-01-2097	9	.47	.407	.363
676254	22-01-2107	10	.58	.513	.449
676262	22-01-2117	11	.56	.49	.435
676271	22-01-2127	12	.68	.60	.56

Crimp Terminals



- Current rating: 4A
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 50k MΩ min.
- Withstanding voltage: 1,500VAC/minute
- Contact material: phosphor bronze
- Wire accommodation: 22-30 AWG
- Insulation range: 1.58mm (0.062") diameter max.

Part No.	Cross Ref. No.	Plating	1	10	25
676852	08-52-0123	Tin	$.20	$.048	$.044
676895	08-65-0816	Gold	.20	.111	.109

Polarizing Key

• Plastic • Polyester, UL94V-0, Natural

Part No.	Cross Ref. No.	1	10	25
676908	15-04-9209	$.20	$.047	$.044

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

.100" (2.54mm) Pitch Crimp Terminal Housing

- Current rating: 3A DC
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,000VAC/minute
- Housing: nylon 6/6, UL94V-0
- Operating temp.: -40˚C to +105˚C


Locking Ramp & Polarizing Rib


Locking Ramp

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With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos.	1	10	25
688554	2530S020000R	2	$.20	$.137	$.11
688562	2530S030000R	3	.23	.191	.168
688571	2530S040000R	4	.20	.111	.105
688600	2530S050000R	5	.33	.283	.267
688618	2530S060000R	6	.38	.324	.313
688626	2530S070000R	7	.33	.306	.283
688642	2530S080000R	8	.49	.424	.412
688651	2530S090000R	9	.44	.404	.372
688669	2530S100000R	10	.41	.376	.347
688677	2530S110000R	11	.62	.548	.527
688685	2530S120000R	12	.56	.517	.477

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
688802	2530S020N00R	2	$.20	$.117	$.093
688811	2530S030N00R	3	.21	.183	.161
688829	2530S040N00R	4	.25	.216	.196
688837	2530S050N00R	5	.34	.222	.212
688845	2530S060N00R	6	.21	.18	.168
688853	2530S070N00R	7	.38	.327	.29
688861	2530S080N00R	8	.26	.24	.234
688870	2530S090N00R	9	.47	.407	.363
688888	2530S100N00R	10	.52	.449	.444
688896	2530S110N00R	11	.56	.49	.435
688909	2530S120N00R	12	.60	.523	.465

Crimp Terminals



- Current rating: 4A
- Voltage rating: 250VAC
- Contact resistance: 20mΩ initial
- Insulation resistance: 50k MΩ min.
- Withstanding voltage: 1,500VAC/minute
- Contact material: phosphor bronze
- Wire accommodation: 22-30 AWG
- Insulation range: 1.58mm (0.062") diameter max.

Part No.	Cross Ref. No.	Plating	1	10	25
689274	2533TPB00A0R	Tin	$.20	$.048	$.044
689291	2533TPBU0A0R	Gold	.20	.111	.109

Polarizing Key

- Plastic • Polyester, UL94V-0, Natural

Part No.	Cross Ref. No.	1	10	25
689258	6001-PK0005R	$.20	$.047	$.044

C-Grid™ .100" (2.54mm) Pitch Breakaway Header



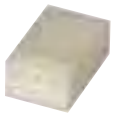
- Voltage: 250V • Current: 3A
- Height: .220"
- Contact resistance: 15mΩ max.
- Contacts: phosphor bronze
- Dielectric w/standing voltage: 1500V
- Insulation resistance: 1000MΩ min.

Dual Row, Vertical, High Temperature

Part No.	Cross Ref.	Positions	1	10	100
514466	10-89-7102	10	$.65	$.57	$.421

KK® Series .100" (2.54mm) Pitch Crimp Terminal Housing

High Pressure


516226

- Voltage: 250V • Current: 2.5A
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 500k MΩ min.
- Housing: white nylon, UL04V-0

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Positions	1	10	100
516218	10-11-2023R	2	✳	$.069	$.065
516226	10-11-2033R	3	.24	.106	.101
516234	10-11-2043R	4	.25	.15	.12
516242	10-11-2053R	5	.32	.297	.205

Crimp Terminal

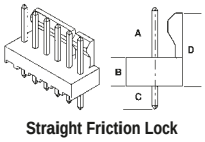


- Female • 22 to 30 AWG
- Tin plating
- Prepackaged: please order in increments of 10

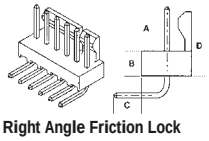
Part No.	Product No.	10	100
736456	08-50-0005R	$.135	$.122

KK® Series .100" (2.54mm) Male Headers

- Voltage: 250V
- Current: 4.0A
- Contact res.: 20mΩ max.
- Housing: nylon, UL94V-0
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square
- Durability: 100 cycles max. (tin: 25 cycles max.)



Straight Friction Lock



Right Angle Friction Lock

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584	22-11-2022R	2	$.54	$.46	$.29
233592	22-11-2032R	3	.85	.74	.47
233605	22-11-2042R	4	.87	.76	.49
233613	22-11-2052R	5	1.00	.95	.73
233621	22-11-2062R	6	1.34	1.17	.76
233656	22-11-2102R	10	1.59	1.51	1.44

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

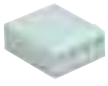
Part No.	Product No.	Positions	1	10	100
232266	22-23-2021R	2	$.29	$.23	$.15
232274	22-23-2031R	3	.35	.30	.19
232282	22-23-2041R	4	.42	.36	.23
232291	22-23-2051R	5	.49	.432	.291
232303	22-23-2061R	6	.55	.48	.31
232311	22-23-2071R	7	.63	.55	.36
232320	22-23-2081R	8	.72	.63	.41
232338	22-23-2091R	9	.69	.59	.434
232346	22-23-2101R	10	.81	.71	.471
232354	22-23-2121R	12	.95	.83	.55

Right Angle Friction Lock Headers (Tin)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

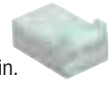
Part No.	Product No.	Positions	1	10	100
233437	22-05-3021R	2	$.42	$.36	$.22
233445	22-05-3031R	3	.56	.49	.30
233453	22-05-3041R	4	.71	.61	.39
233461	22-05-3051R	5	.77	.65	.49
233470	22-05-3061R	6	.85	.74	.48
233496	22-05-3081R	8	.79	.56	.50

KK® Series .100" (2.54mm) Female Housing & Crimp Terminals


234721

- Voltage: 250V
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage.: 1500VAC
- Insulation resistance: 50kMΩ

Housing Material:


234801

- Contact insertion force: 1.5 lbs. max.
- Contact retention to housing: 8 lbs. min.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75˚C

Housing with Locking Ramp

Part No.	Product No.	Positions	1	10	100
234704	22-01-2027R	2	$.29	$.15	$.09
234712	22-01-2037R	3	.29	.20	.12
234721	22-01-2047R	4	.29	.24	.15
234739	22-01-2057R	5	.33	.28	.17
234747	22-01-2067R	6	.36	.32	.20
234771	22-01-2107R	10	.61	.53	.353

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798	22-01-3027R	2	$.29	$.17	$.10
234801	22-01-3037R	3	.29	.21	.13
234819	22-01-3047R	4	.33	.287	.188
234827	22-01-3057R	5	.36	.314	.21
234835	22-01-3067R	6	.44	.379	.253
234843	22-01-3077R	7	.47	.40	.30
234851	22-01-3087R	8	.57	.50	.334
234878	22-01-3107R	10	.65	.55	.35
234886	22-01-3127R	12	.76	.66	.42

Crimp Terminals


234931 462969 463005

- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Material: 736501/234923/234931: brass 736595/462969/463005: phosphor bronze
- Accommodates 22 to 30 AWG
- Insulation range: 0.062" (1.58mm) diameter max.
- Prepackaged: please order in increments of 10

Part No.	Product No.	Plating	10	100	1000
736501	08-50-0113R	Tin	$.088	$.078	$.069
234923	08-50-0114R	Tin	.065	.048	.029
234931	08-55-0102R	15µ" gold	.22	.17	.11
736595	08-52-0123R	Tin	.088	.078	.069
462969	08-65-0805R	Tin (cat ear)	.10	.09	.08
463005	08-65-0816R	15µ" gold	.147	.14	.133

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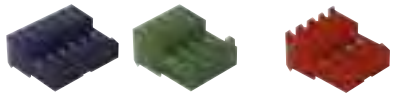
R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

AMP MTA-100 (.100") IDC Connectors

- Voltage rating: 250VAC • Current rating: 5A
- Low-level resistance: 6mΩ max. initial
- Dielectric withstand: 750VAC/1 min.
- Insulation resistance: 50kMΩ min.
- Contacts: phosphor bronze, tin-plated

Closed-End Style *Feed-Thru Style*



w/o Polarizing Tab | w/ Polarizing Tab | w/o Polarizing Tab

Closed-End Style

Without Polarizing Tabs w/ Locking Ramp

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Pos.	AWG	Color	1	10
524710	640440-4	4	22	Red	$.25	$.194
841598	3-640440-4 ♠	4	22	Red ✳		.155
750881	3-640440-8	8	22	Red	.29	.265
524681	1-640440-2	12	22	Red	.49	.45
741837	1-640440-6	16	22	Red	1.55	1.43
524761	640441-2	2	24	White ✳		.11
524779	640441-3	3	24	White ✳		.113
524824	640442-2	2	26	Blue ✳		.11
854621	640442-3 ♠	3	26	Blue ✳		.116
524832	640442-4	4	26	Blue	.20	.15

With Polarizing Tabs & Locking Ramp

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Pos.	AWG	Color	1	10
858082	643813-2 ♠	2	22	Red ✳		$.126
858146	643813-6	6	22	Red	.36	.288
923462	3-643815-3	3	26	Blue ✳		.12

Feed-Thru Style

Without Polarizing Tabs w/ Locking Ramp

Part No.	Product No.	Pos.	AWG	Color	Pricing
923227	3-640620-8 ♠	8	22	Red ★	Call

★ Please call or visit our website for minimum order quantity and pricing.

AMP MTA-100 (.100") Solid Headers

- 0.025" square posts
- Tin-plated
- Housing: nylon UL94V-0 rated, white polyester
- Posts: copper alloy, tin plated



Straight | Right Angle

Straight Friction Lock

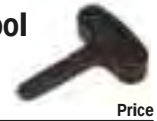
Part No.	Product No.	Positions	1	10	100
613931	640456-2	2	$.20	$.059	$.049
613940	640456-3	3	.20	.079	.075
613958	640456-4	4	.20	.105	.099
613966	640456-5	5	.20	.115	.109
613974	640456-6	6	.20	.131	.115
741976	1-640656-8	18	1.85	1.56	1.25

Right Angle Friction Lock

Part No.	Product No.	Positions	1	10	100
524859	640457-2	2	$.20	$.10	$.08

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors



Part No.	Product No.	Description	Price
365974	59803-1Z	.100" hand tool	$20.89

molex .118" (3.0mm) Pitch Micro-Fit 3.0™ Connectors

- Contact: brass • Current: 5.0A max.
- Contact resistance: 10mΩ max. • Voltage: 250V
- Dielectric withstanding voltage: 1500VAC
- Fully polarized to mating receptacle
- Insulation resistance: 1000MΩ min.
- Housing: high temperature LCP, UL94V-0



Single Row, Right Angle | Dual Row, Right Angle | Dual Row, Vertical

† Solderable fitting nail provides retention to PCB; ‡ Solderable retention clip; # Snap-in peg locks header for retention to PCB; § "Offset termination retention" for retention to PCB during wave soldering

Headers

Single Row, Right Angle, Tin (SMT) †

Part No.	Product No.	Pos.	1	10	100
338423	43650-0212	2	$2.39	$2.24	$1.85
338458	43650-0312	3	2.82	2.73	1.92
338482	43650-0412	4	3.25	2.84	2.38
338511	43650-0512	5	3.30	3.03	2.26
338546	43650-0612	6	3.83	3.46	2.42

Single Row, Right Angle, 15µ" Gold (SMT) ‡

Part No.	Product No.	Pos.	1	10	100
338415	43650-0210	2	$2.25	$2.03	$1.81
338440	43650-0310	3	3.18	2.82	2.13
338474	43650-0410	4	3.54	3.47	2.36
338503	43650-0510	5	3.78	3.47	2.56
338538	43650-0610	6	3.59	3.41	3.24

Dual Row, Right Angle, Tin (SMT) †

Part No.	Product No.	Pos.	1	10	100
337906	43045-0209	2	$2.29	$2.01	$1.76
337981	43045-0409	4	2.75	2.44	2.13
338061	43045-0609	6	3.19	2.83	2.47

Dual Row, Right Angle, 30µ" Gold (SMT) †

Part No.	Product No.	Pos.	1	10	100
337914	43045-0211	2	$2.95	$2.71	$2.47
337990	43045-0411	4	3.55	3.32	2.61
338124	43045-0811	8	3.69	3.32	3.12

Dual Row, Vertical, Tin (SMT) †

Part No.	Product No.	Pos.	1	10	100
337949	43045-0218	2	$2.25	$2.03	$1.80
338028	43045-0418	4	2.49	2.37	2.04
338095	43045-0618	6	3.55	3.32	2.46
338159	43045-0818	8	3.35	3.09	2.82
338191	43045-1018	10	3.75	3.30	2.87

Dual Row, Vertical, 30µ" Gold (SMT) †

Part No.	Product No.	Pos.	1	10	100
337957	43045-0220	2	$2.75	$2.54	$2.32
338036	43045-0420	4	2.75	2.51	2.46
338108	43045-0620	6	3.89	3.57	3.24
338204	43045-1020	10	5.05	4.64	4.23

Dual Row, Right Angle, 30µ" Gold (Thru-Hole)

Part No.	Product No.	Pos.	1	10	100
883641	43045-1002 ♠	10	$3.75	$3.17	$2.58

Dual Row, Right Angle, Tin (Thru-Hole)

Part No.	Product No.	Pos.	1	10	100
883317	43045-0400 ♠	4	$1.30	$1.16	$1.02
883536	43045-0800 ♠	8	1.99	1.69	1.39
883595	43045-1000 ♠	10	2.35	1.99	1.65

Dual Row, Vertical, Tin (Thru-Hole) §

Part No.	Product No.	Pos.	1	10	100
883368	43045-0412 ♠	4	$.95	$.82	$.72
883464	43045-0612 ♠	6	1.37	1.16	.95

Dual Row, Vertical, 30µ" Gold (Thru-Hole) §

Part No.	Product No.	Pos.	1	10	100
883579	43045-0814 ♠	8	$2.29	$2.01	$1.76

Receptacles

NEW

- Fully polarized to mating headers or plugs
- Positive latching to mating headers or plugs
- Fully isolated contacts
- Integral pull tabs for ease in unmating
- Housing: polyester, UL94V-0



Single Row



Dual Row

Single Row

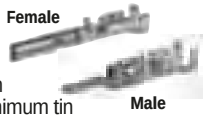
Part No.	Product No.	Pos.	1	10	100
884037	43645-0600 ♠	6	$.50	$.44	$.39

Dual Row

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Pos.	1	5	50
882867	43025-0200 ♠	2 ✳	$.225	$.203	
882904	43025-0600 ♠	6 ✳	.407	.365	
882921	43025-0800 ♠	8 ✳	.225	.203	
882963	43025-1200 ♠	12 ✳	.225	.203	
883026	43025-1800	18	1.55	1.39	.93

Crimp Terminals



Female | Male

Type*: **1:** female **2:** male
A: phosphor bronze; 30µ" select gold; 100µ" tin
B: phosphor bronze; 40µ" minimum tin

• Prepackaged: please order in increments of 10

Part No.	Product No.	AWG	Type*	10	100
883131	43030-0003 ♠	20-24	1A	$.059	$.055
883093	43030-0007	20-24	1B	.08	.07
883190	43030-0012 ♠	26-30	1A	.146	.126
883237	43031-0007	20-24	2B	.079	.07
883253	43031-0009 ♠	20-24	2A	.186	.168

JAMECO ValuePro Extraction Tool

For Micro-Fit Connectors

- Length: 3.0"



Part No.	Cross Ref. No.	1	5
338669	11-03-0043 ⊕	$13.45	$12.49

JAMECO ValuePro Crimp Tool

For Micro-Fit Connectors

- Length: 8.25"



Part No.	Cross Ref. No.	1	5	10
338678	HT-225D	$26.99	$24.83	$21.59

molex KK® Series .156" (3.96mm) Crimp Terminal

Trifurcon Terminal

- Brass with tin plating (cat ear)
- Prepackaged: please order in increments of 10



Part No.	Product No.	Description	10	100
462774	08-50-0165	18-20 AWG (bag)	$.105	$.095

More Headers and Connectors available on our website. Visit us online today!

♠ These products ship from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

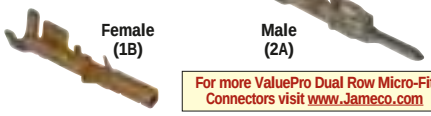
.118" (3.0mm) Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents

Quantity SAVE



Fig. 1 Fig. 2 Fig. 3



Female (1B) Male (2A)

For more ValuePro Dual Row Micro-Fit Connectors visit www.Jameco.com

Dual Row Crimp Housing

- Fully isolated contacts • Wire to wire
- Housing: UL94V-0 • Fully polarized
- Contacts: tin or 30µ" gold plating over phosphor bronze • Black
- Contact resistance: 10mΩ (max.)
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series

Receptacles (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
337674	43025-0400	4	$.55	$.49	$.327
337682	43025-0600	6	.20	.17	.128
337691	43025-0800	8	.22	.21	.174

Dual Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle • Black

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
338554	43045-0800	8	$.84	$.72	$.54
338212	43045-1200	12	.89	.84	.77
338571	43045-1400	14	1.09	.99	.92

Vertical Thru Hole – Tin (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
337922	43045-0212	2	$.63	$.539	$.404

Female & Male Contacts

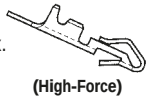
Type*: **1:** female **2:** male
A: tin plating over phosphor bronze
B: 30µ" select gold over nickel over phosphor bronze

- **Prepackaged: please order in increments of 10**

Part No.	Cross Ref. No.	AWG	Type*	10	100
337720	43030-0007	20-24	1A	$.091	$.075
337738	43030-0009	20-24	1B	.108	.105
337762	43031-0007	20-24	2A	.103	.093

AMP .156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:
  - *A: brass, 0.012" bright tin plated
  - *B: brass, 0.012" pre-tin plated
- For use with .156" AMP housings (see web)



(High-Force)

- **Prepackaged: please order in increments of 10**

Part No.	Product No.	Desc.*	AWG	10	100	500
248866	640706-1	A	18-24	$.18	$.165	$.152
248874	640706-2	B	18-24	.168	.14	.11

KK® Series .156" (3.96mm) Pitch Crimp Terminal Housings & Locking Headers

- Voltage: 250VAC • Housing: nylon, UL94V-2
- Dielectric withstanding voltage: 1500VAC

With Locking Ramp (KK Series 2139)

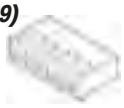
- Current: brass – 5A max.; phosphor bronze – 7A max.;
- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.



Part No.	Product No.	Positions	1	10	100
463435	09-50-3031	3	$.20	$.13	$.124
463443	09-50-3041	4	.25	.173	.165
463460	09-50-3061	6	.31	.295	.257
463486	09-50-3081	8	.40	.275	.248
463523	09-50-3121	12	.61	.58	.495

With Locking Ramp (KK Series 3069)

- Current: 7A • Wire-to-board
- Contact resistance: 20mΩ max.
- Insulation resistance: 500kMΩ min.



Part No.	Product No.	Positions	1	10	100
520057	09-91-0400	4	$.51	$.488	$.464
520209	09-91-2000	20	.94	.89	.87

Solid Headers with Vertical Friction Lock (KK Series 41791)

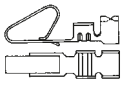
- Current: 7A
- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.
- Housing: polyester, UL94V-0
- Contacts: brass, tin plating



Part No.	Product No.	Positions	1	10	100
879941	26-60-4060	6	$.57	$.503	$.377
880052	26-60-4120	12	1.11	.96	.64

Crimp Terminals

- Female • 18 to 24 AWG
- .110" max. wire insulation
- For 2139 & 3069 Series (above)

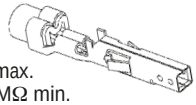


- **Prepackaged: please order in increments of 5**

Part No.	Product No.	10	100
736472	08-50-0105 (brass/tin)	$.14	$.13
736481	08-50-0106 (brass/tin)	.058	.049
736552	08-52-0071 (phos. bronze/tin)	.037	.033
736561	08-52-0072 (phos. bronze/tin)	.078	.062

.165" (4.19mm) Mini-Fit Jr.™ Contacts

- Voltage: 600V • Current: 9A (†12A current rating)
- Dielectric withstanding voltage: 1500V
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Material:
  - *A: Brass (pre-plated tin over copper)
  - *B: Brass or copper (post-plated tin over nickel)
  - *C: Brass (post-plated tin over nickel)
  - *D: Phosphor bronze (pre-plated gold over nickel)



✳ **Prepackaged: please order in increments of 10**

Female Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304733	39-00-0039	A	18-24 ✳	$.077	$.071	
304750	39-00-0182	D	18-24	.82	.69	.50
884248	44476-111	B	18-24 ✳	.216	.194	
304776	44476-1112 †	B	18-24 ✳	.163	.147	
304813	39-00-0164	C	18-24	.52	.468	.414
304872	39-00-0047	A	22-28	.20	.14	.096

.156" Center Housing Crimp Contact

- Mating connectors for Mean Well LPS and LPP series power supplies (pgs 151-152)
- Current rating: 10A AC/DC
- Voltage rating: 250V AC/DC
- 18-22 AWG
- Material: brass
- Finish: tin-plated



Part No.	Description	1	10	100	1000
227416	Crimp contact ⊕	$.32	$.29	$.26	$.22

.156" (3.96mm) Center Housing Connectors

Quantity SAVE

- Common to many power supplies carried by Jameco. Some power supplies (pgs 148-152) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use w/ crimp pins, 78319, below

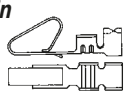


104731

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104433	LCH3	3	$.23	$.19	$.12	$.11
104716	LCH4	4	.25	.22	.15	.12
104723	LCH5 ⊕	5	.27	.238	.17	.121
104731	LCH6 ⊕	6	.33	.30	.24	.15
104766	LCH10 ⊕	10	.60	.523	.329	.241

.156" (3.96mm) Center Crimp Pin

- Pin wire gauge: 18-24 AWG
- Material: brass/tin plated
- Use with .156 housings (above)



- **Prepackaged: please order in increments of 10**

Part No.	Cross Ref. No.	10	100	1000
78319	JS-5001-T	$.11	$.08	$.07

.165" (4.19mm) Mini-Fit Jr.™ Equivalents Contacts

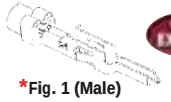


*Fig. 1 (Male)

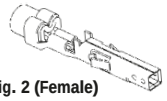


*Fig. 2 (Female)

- Type*:
  - **A:** Tin over nickel over brass
  - **B:** 15µ" gold over nickel over brass
  - **C:** 30µ" gold over nickel over brass
  - **D:** Tin over nickel over phosphor bronze
  - **E:** 30µ" gold over nickel over phosphor bronze

Quantity SAVE

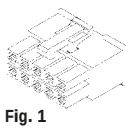
✳ **Prepackaged: please order in increments of 10**

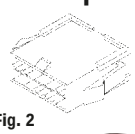
Part No.	Cross Ref. No.	AWG	Type*	1	10	100
365747	39-00-0054	18-24	1C ✳	$.58	$.428	$.31
401859	39-00-0076	18-24	1B ✳	.35	.276	.208
401824	39-00-0121	18-24	1A ✳		.068	.053
365835	39-00-0168	16	2C ✳	.44	.368	.276
401736	39-00-0170	18-24	2B ✳	.29	.261	.235
365851	39-00-0182	18-24	2F ✳	.46	.388	.291
365827	39-00-0186	16	2F ✳	.46	.358	.269
401701	39-00-0208	18-24	2A ✳		.068	.057
401699	39-00-0210	22-28	2A ✳		.058	.042
401710	39-00-0212	16	2A ✳		.133	.125
401779	39-00-0218	16	2D ✳		.132	.125

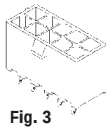
More Power Connectors and Headers available on our website.
Visit us at www.Jameco.com today!

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

.165" (4.19mm) Connectors – Molex Mini-Fit Jr.™ Value Equivalents

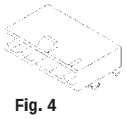

Fig. 1

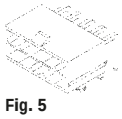

Fig. 2

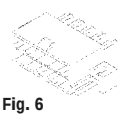

Fig. 3

Quantity SAVE

EXCLUSIVE


Fig. 4


Fig. 5


Fig. 6

- Low profile design to accommodate height constraints
- UL rating: 94V-2
- Fully isolated terminals to protect contacts from damage
- Pitch: 0.165" (4.2mm)
- Positive locking housings
- Current: up to 9A
- Contact resistance: 10mΩ
- Voltage: 600V
- Temperature: -40˚C to +150˚C
- Housing: 6/6 Nylon Natural

Molex 5557 Series — Connector Equivalents

Receptacles, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736	39-01-2020	1	2	$.27	$.245	$.191
364744	39-01-2040	1	4	.24	.212	.143
364752	39-01-2060	1	6	.41	.382	.249
364761	39-01-2080	1	8	.43	.366	.258
364779	39-01-2100	1	10	.42	.348	.262
364787	39-01-2120	1	12	.61	.515	.386
364795	39-01-2140	1	14	.72	.64	.432
364841	39-01-2240	1	24	1.08	1.04	.61

Molex 5559 Series — Connector Equivalents

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364867	39-01-2041	2	4	$.40	$.375	$.249

Molex 5566 Series PCB Header Equivalents

Vertical Dual Row w/o Pegs & Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364963	39-28-1083	3	8	$1.28	$1.07	$.76
364971	39-28-1103	3	10	1.69	1.49	1.10
365042	39-28-1243	3	24	3.45	2.90	2.39

Vertical Dual Row w/o Pegs & Drain Holes – Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365085	39-29-0103	4	8	$2.19	$2.15	$1.61

Molex 5569 Series PCB Header Equivalents

Right Angle Dual Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365173	39-30-1020	5	2	$.57	$.54	$.438
365181	39-30-1040	5	4	.66	.57	.422
365190	39-30-1060	5	6	.83	.63	.468
365202	39-30-1080	5	8	.88	.65	.432
365211	39-30-1100	5	10	1.05	.80	.54
365229	39-30-1120	5	12	1.43	1.10	.75
365288	39-30-1240	5	24	2.25	2.09	1.70

Right Angle Dual Row w/ Flanges – Tin

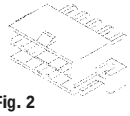
Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365464	39-29-1068	6	6	$.70	$.60	$.399
365552	39-29-1248	6	24	2.39	2.24	1.67

More ValuePro Power Connectors at www.Jameco.com

.165" (4.19mm) Mini-Fit Jr.™ Connectors

- Fully isolated terminals to protect contacts from damage
- Use with strain relief or overmold applications
- Uses standard Mini-Fit series terminals
- Positive housing lock for secure mating retention
- Housing: 6/6 nylon natural, UL 94V-2 rated
- UL/CSA/TUV approved
- **881021/881119**: UL 94V-0 rated


Fig. 1


Fig. 2

Single and Double Row Headers

- Voltage: 600V
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

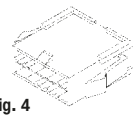
Vertical Headers w/ Pegs – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
882437	39-30-2050	1	5	$.99	$.89	$.75

Right Angle Headers w/ Flange – Gold Plated, 30µ"

Part No.	Product No.	Fig.	Pos.	1	10	100
304493	39-29-5123	2	12	$4.99	$4.40	$2.93


Fig. 3


Fig. 4

Double Row Receptacles

Part No.	Product No.	Fig.	Pos.	1	10	100
303562	39-01-2020 *	3	2	$.34	$.321	$.214
881021	39-01-3028 ✪	3	2	.23	.22	.21
303571	39-01-2040 *	3	4	.41	.366	.244
881119	39-01-3048 ✪	3	4	.55	.446	.401
303589	39-01-2060	3	6	.47	.45	.351
303597	39-01-2080	3	8	.54	.461	.334

* Not for use with strain relief ✪ Blue Part No. = Limited Quantity

Double Row Plugs

Free Hanging Plugs ✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Fig.	Pos.	1	10	100
881047	39-01-3029	4	2	$.28	$.26	$.23
881004	39-01-3023	4	2	.21	.14	.12

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Pos.	1	10	100
303685	39-01-2021	4	2	$.32	$.264	$.193
303693	39-01-2041	4	4	.47	.442	.294

Hand Tools for Mini-Fit Jr.

304928: Crimp tool wire range from 14-24 AWG
304936: Extraction tool
308030: Cuts & strips 14-24 AWG wires
227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	1	5
304928	63811-1000	$47.29	$45.46
304936	11-03-0044	19.99	18.99
308030	W-HT-1919, 8.3"L (Red)	14.99	13.99
227491	W-HT-1921, 8.3"L (Yellow)	14.99	13.99


304928


304936


308030


227491

More Tools on pages 196 – 198

.098"-Pitch AT Power Connectors for Motherboards & Power Supplies

More ValuePro .098" Pitch Power Connectors at www.Jameco.com

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25˚C to 85˚C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.

78327: AMP50G female 6-pin housing connector • Material: nylon
78319: AMP501T terminal pin • Material: tin-plated brass ✳ Prepackaged: please order in increments of 10


78319

78327

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
78327	6-pin housing connector	0.94"	0.25"	0.74"	—	78300	$.45	$.365	$.329	$.294
78319	Power terminal pin, F	0.69"	—	—	0.09"	78327	✳	.11	.08	.07

.118"-Pitch ATX Power Connectors for Motherboards & Power Supplies

More ValuePro .118" Pitch Power Connectors at www.Jameco.com

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temp. range: -25˚C to 85˚C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.

147379: ATX male 20-pin edge mount connector
- Material: nylon 66, UL-94VO
- Material of post: tin-plated brass
- Diameter of post: 0.045"

147387: Housing connector • Material: nylon 66, UL-94VO
147395: ATX power terminal pins • Material: tin-plated brass ✳ Prepackaged: please order in increments of 10


147379 147395 147387

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379	20-pin male connector	1.7"	0.4"	0.6"	—	—	$.59	$.53	$.48	$.43
147387	20-pin housing connector	1.7"	0.4"	0.8"	—	147395	.59	.53	.49	.43
147395	Power terminal pin, F	0.59"	—	—	0.068"	147387	✳	.12	.11	.10

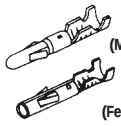
Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

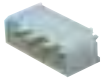
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Power Connectors and Pins

JAMECO ValuePro — Jameco Exclusive


42730 (Male for 42076)

42650 (Female for 42068)


109146


117568

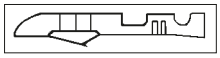

114931


115000


42076 (Male)


42068 (Female)

For more ValuePro Power Connectors and Pins visit www.Jameco.com


114921

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass • Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 197

For 5.25" Disk Drives and Power Supplies

42076 & 42068 Connector Housings:
- 0.200" pitch • Keyed mating connectors
- External key bar indicates pin 1
- See below for extraction tools, P/Ns 131887 & 131879
- **Prepackaged: please order in increments of 10**

Part No.	Description	10	100	1000
109146	4-pin M vert. PCB mtg	$.68	$.61	$.55
117568	4-pin M PCB mntg, horiz. edge mnt	.85	.72	.65
42076	4-pin M housing	.12	.11	.10
42068	4-pin F housing	.20	.15	.13
42730	M crimp pin for 42076	.112	.078	.067
42650	F crimp pin for 42068	.10	.07	.06

For 3.5" Disk Drives and Power Supplies

- 0.100" pitch

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	10	100	1000
114931	4-pin F housing	$.19	$.17	$.15
114921	F crimp pin for 114931 ⊕ ✪	.11	.095	.08

Part No.	Description	1	100	1000
115000	4-pin M rt. angle PCB mounting	$.35	$.31	$.28

molex Disk Drive Power Connection System Crimp Terminal



- Female • 14-20 AWG
- Contact: phosphor bronze w/ tin plating
- Wire insulation diameter: 0.08" to 0.108"
- **Prepackaged: please order in increments of 5**

Part No.	Product No.	5	50
734688	02-08-1201	$.118	$.108

Extraction Tools for Crimp Pins


131887

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5" • See above for crimp pins

131887: Male tool for 42730, above
131879: Female tool for 42650, above

Part No.	Product No.	1	10
131887	HT319C ⊕	$13.45	$12.25
131879	HT319B ⊕	13.99	11.50

AMP AMPMODU™ .100" (2.54mm) Receptacles

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)

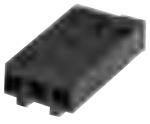
For more AMP Receptacles visit www.Jameco.com

- Black thermoplastic, flame retardant

✳ **Prepackaged: please order in increments of 10**

Part No.	Product No.	Pos.	Width (in.)	1	10
526871	87499-3	2	0.205	$.99	$.95
526889	87499-5	3	0.305	.58	.435
526897	87499-7	4	0.405	.55	.539

Single Row w/ Detents, Polarized, Crimp Snap-In (MOD IV)

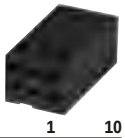

496122

- Glass filled nylon, flame retardant

✳ **Prepackaged: please order in increments of 10**

Part No.	Product No.	Pos.	Width (in.)	1	10
496122	102241-1	3	0.300	$.30	$.282
737281	102241-6	8	0.800	.43	.405
737299	102241-8 ♠	10	1.000	.65	.57

Double Row, Non-Polarized, Crimp Snap-In, Short Entry (MOD IV)


759691

- Glass filled nylon, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
759691	87456-2 ♠	6	0.305	$1.22	$1.07
743015	1-87456-2 ♠	16	0.805	1.51	1.32

Double Row w/ Detents & Strain Relief, Polarized (MOD IV)

- Black thermoplastic, flame retardant

Part No.	Product No.	Pos.	Width (in.)	Pricing
987992	87922-4 ♠	16	0.800	★ Call

★ Please call or visit our website for minimum order quantity & pricing

Double Row, Center Polarized, Crimp Snap-In (MOD IV)


496165

- Black thermoplastic, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
496309	102387-1	10	0.680	$1.26	$1.10
496165	102387-3	16	0.980	1.47	1.35

Double Row w/ Detents, Polarized, Crimp Snap-In (MOD IV)



- Glass filled nylon, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
841272	87631-5 ♠	10	0.500	$1.43	$1.42

Keying Plugs


840721

840721: Plugs directly into housing
526926: Plugs into standard or intermediate pressure receptacle contacts

- **Prepackaged: please order in increments of 10**

Part No.	Product No.	10	100
840721	87077-2	$.128	$.108
526926	86286-1	.15	.14

AMP AMPMODU™ Pin & Receptacle Contacts

- Plating:
  A: gold flash over 50µ" nickel entire area, 30µ" gold on contact area;
  D: 15µ" gold in contact area, 100µ" ~ 200µ" bright tin lead, all over 50µ" nickel;
  E: preplated 50µ" ~ 150µ" bright tin;


736835


527486

- Material: **PB**=phosphor bronze; **BC**= beryllium copper

✳ **Prepackaged: please order in increments of 10**

Pin w/ Insulation Support, Crimp Snap-In (MOD IV)

Part No.	Product No.	Material	Plating	1	10
736835	102107-2	PB	A	$.38	$.364

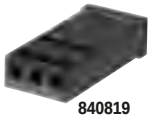
Standard Pressure Receptacle Contacts (MOD IV)

Part No.	Product No.	Material	Plating	1	10
527486	87523-6	PB	E	$.21	$.16
527419	1-87523-6	PB	D	.25	.24
527507	87667-2	BC	A	.36	.34

Receptacle, Crimp Snap-In (MOD IV 1/2)

Part No.	Product No.	Material	Plating	1	10
840675	87046-3 ♠	BC	A	✳	$.382

AMP AMPMODU™ Locking Clip Housings & Contact


840819

- Mates with 0.025" (0.64mm) square posts
- Design permits end-to-end stacking
- 94V-0 rated glass-filled polyester housing
- Termination resistance: 12mΩ max (gold); 16mΩ max. (tin)
- Contact current: 3A

For more AMP Housings visit www.Jameco.com

Single Row

Part No.	Product No.	Positions	1	10	100
840819	87175-8 ♠	3	$1.13	$1.03	$.76
742961	1-87175-0 ♠	4	1.14	.99	.78

Locking Clip Contact



- Plating: 30µ" gold in contact area, gold flash on remainder, over 50µ" nickel

Part No.	Product No.	AWG	1	10	100
840755	87165-1	26-22	$.42	$.39	$.36

www.Jameco.com

More products available on our website. Visit us online today!

JAMECO ValuePro .100" Low-Profile Male Shrouded Headers

Jameco Exclusive

Straight Male Headers


68179

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, pg 107

Part No.	Description	1	10	100	1000
67812	10-pin	$.45	$.399	$.365	$.319
68179	16-pin ⊕	.44	.40	.35	.32
68292	20-pin	.55	.505	.419	.247
68372	26-pin	.59	.437	.364	.219
68582	34-pin ⊕	.95	.78	.56	.372
181105	40-pin	1.50	1.17	.88	.61

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

.100" Low Profile Keyed Shrouded Headers & Connectors

JAMECO ValuePro

CD-ROM 4-Pin Headers and Connectors



152741 152726 152734

- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Pin material: tin-plated brass
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding voltage: 1000VAC/ 1 minute
- Recommend crimp tool P/N 99443, pg 197

For more ValuePro Headers & Connectors visit www.Jameco.com

Jameco EXCLUSIVE

✳ **Prepackaged: please order in increments of 10**

Part No.	Description	1	10	100	1000
152741	Straight header ⊕	$.45	$.39	$.35	$.29
152726	Rt. angle header ♻	.55	.50	.40	.30
152734	Single w/ latch ♻ †	.43	.37	.22	.16
181673	Female pins ⊕ ✳	.11	.08	.06	

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.5mm) Straight Male Headers

JAMECO ValuePro

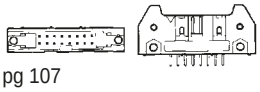
With Standard Latch

Double Row

Jameco EXCLUSIVE



71830



- 0.1" contact center
- Mount vertical
- Keying slot
- Use with IDC socket connectors, pg 107

Part No.	Description	1	10	100	500
117664	10-pin ♻	$1.55	$1.38	$1.18	$.73
71830	20-pin ♻	1.67	1.42	1.28	1.14
71933	26-pin ⊕	1.49	1.34	1.07	.80
72216	50-pin ♻	1.89	1.70	1.54	1.39

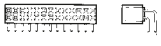
Other Manufacturers — Great Deals

687720	14-pin	$1.31	$1.17	$1.03	$.94
687711	40-pin	1.95	1.67	1.31	1.10

.100" (2.54mm) Female Header Receptacles

JAMECO ValuePro

- Gold plated contacts
- 0.1" contact center



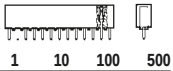
✪ Blue Part No. = Limited Quantity Available

Jameco EXCLUSIVE

Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500
71160	20 ♻	Double row ..	$1.50	$1.32	$1.19	$1.02

Vertical Mount (Top Entry)



Part No.	Contacts	Type	1	10	100	500
70755	8 ♻	Single row	$.63	$.56	$.462	$.371
200782	12 ⊕ ✪	Single row	.93	.82	.449	.394
308592	16 ♻	Single row	.67	.55	.36	.28
308567	20 ♻	Single row	.69	.57	.37	.289
70720	16 ⊕	Double row	.89	.79	.72	.65
70827	20 ♻	Double row ...	1.19	1.07	.86	.64
105057	30 ♻	Double row ...	1.09	.98	.88	.74
111705	40 ♻	Double (Tin) ..	1.42	1.27	1.09	.98

Other Manufacturers — Great Deals

454539	30	Double row ...	$.99	$.89	$.71	$.53
163862	34	Double row ...	1.05	.94	.85	.71

AMPMODU™ .100" AMP (2.54mm) Standard Profile Shrouded Headers

- Housing: UL94V-0, black thermoplastic
- Insulation resistance: 5,000MΩ min. initial
- Dielectric withstanding voltage: 750V @ sea level
- Operating temp.: -65°C to 105°C
- 0.100" (2.54mm) centers w/ 0.025" square posts, copper alloy • Current rating: 3A max. per contact

Contact Plating:

A: Duplex plated, 0.000030 min. gold on contact area, 0.0001~0.0002 min. tin/lead on solder area, w/ entire post underplated 0.000050 min. nickel;
B: Duplex plated, 0.000015 min. gold on contact area,0.0001~0.0002 min. tin/lead on solder area, w/ entire post underplated 0.000050 min. nickel



Fig. 1 Fig.2 Fig. 3 Fig. 4

For more AMP Headers visit www.Jameco.com

Straight w/ Stand-Offs, Single Row (MOD II) – Fig. 1

Part No.	Product No.	Positions	Plating	1	10
841117	3-102202-4♠	3	B	$1.41	$1.22
737897	103414-2♠	4	A	1.59	1.36
737176	102202-1♠	4	B	1.46	1.18
737184	102202-2♠	5	B	2.05	1.79
737213	102202-7♠	10	B	2.95	2.49

Right Angle w/ Stand-Offs, Single Row (MOD II) – Fig. 2

841141	3-102203-4♠	3	B	$1.46	$1.27
737230	102203-2♠	5	B	2.35	2.01

Straight w/ Detent Windows, 0.066" End Dim., Double Row (MOD II) – Fig. 3

737635	103168-2♠	8	A	★	Call
737416	102618-2♠	8	B	1.89	1.65

★ Please call or visit our website for minimum order quantity & pricing

Right Angle w/ Detent Window, 0.066" End Dim., Double Row (MOD II) – Fig. 4

737563	103166-1♠	6	A	$1.34	$1.15
737395	102617-8♠	20	B	3.45	2.93

IDC Connector Crimping Tool

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W • Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
73252	HT214 ♻	$15.95	$14.39	$12.95

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



Part No.	Prod. No.	Description	Wt.(lbs.)	1	10
27174	M505 ⊕	Bench press	7.0 ..	$179.95	$159.95

M505 Accessories

Part No.	Prod. No.	Description	Wt.(lbs.)	1	10
27182	M507	Cable cutter	0.9	$66.95	$61.95
27203	M510	Base plate	0.5	29.75	27.95

.100" AMPLATCH™ IDC Ribbon Connectors

AMP

NOVO Receptacles

- 0.100" x 0.100" (2.54mm) grid center
- Preassembled housing with cover
- Accepts 28-26AWG solid or stranded cables
- Insulation displacement contacts for fast, economical mass terminations
- Contact current rating: 1A continuous
- Dielectric withstanding voltage: 1000V (receptacles); 500V (pin connectors)
- Housing, cover: 94V-0 rated thermoplastic, black • 0.100" grid pitch
- Contacts: phosphor bronze, duplex plating

Contact Plating:

A: 30µ" gold on localized gold plate area, 50µ" min. tin on termination end;
B: 15µ" gold on localized gold plate area, 100µ"~200µ" tin on termination end;
C: 15µ" gold on localized gold plate area, 100µ"~200µ" tin lead termination end, all over 50µ" min. nickel on entire area;
D: 30µ" gold on localized gold plate area, 100µ"~200µ" bright tin lead on termination end, all over 50µ" nickel on entire contact area
E: 15µ" gold on localized gold plate area, 50µ" min. tin on termination end, all over 50µ" nickel on entire contact area



525317 526045 525376

For more AMP Ribbon Connectors visit www.Jameco.com

Center and Military Polarized

Part No.	Product No.	Pos.	Plating	1	10	100
901642	1658622-1 ♻	10	A	$1.49	$.95	$.82
525309	746285-1	10	C	1.29	1.19	1.09
742215	1658621-1 ♻	10	B	1.09	.91	.76
901685	1658622-2 ♻ ♠	14	A	1.79	1.64	1.09
525317	746285-2	14	C	1.69	1.47	1.36
901407	1658621-2 ♻ ♠	14	B	1.55	1.30	1.12
525325	746285-3	16	C	1.59	1.50	1.46
525333	746285-4	20	C	1.20	1.15	1.11
901482	1658621-4 ♻ ♠	20	B	1.75	1.25	1.09
525413	746288-6	26	D	1.59	1.46	1.31
901802	1658622-6 ♻ ♠	26	A	1.79	1.49	1.22
525341	746285-6	26	C	1.46	1.39	1.35
525350	746285-8	34	C	1.99	1.63	1.47
525368	746285-9	40	C	1.79	1.75	1.73
901600	1658621-9 ♻ ♠	40	B	3.95	1.90	1.66
525376	1-746288-0	50	D	2.59	2.37	2.18
888353	1-1658621-0 ♻ ♠	50	B	4.85	2.31	2.02

Military Polarized

Part No.	Product No.	Pos.	Plating	1	10	100
901845	1658623-1 ♻	10	A	$1.15	$.80	$.76
901263	1658620-1 ♻	10	E	1.24	.75	.66

Strain Relief for NOVO Receptacles

• UL94V-0 rated thermoplastic • Black

Part No.	Product No.	Pos.	1	10	100
526045	499252-5 ♻	10	$.20	$.175	$.131

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AMP .100" AMPLATCH™ Ribbon Cable Connectors

Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row, 0.100" Centers

- 0.120" solder tail • 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contact: phosphor bronze
- Plating:
  A: 30µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
  B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;
  C: 15µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
  D: 15µ" min. gold on mating area, 100µ" min. tin on solder end, all over 50µ" on entire post
  E: copper alloy, duplex plated, 30µ" gold on contact area, 100µ" tin lead on solder area


496085

More AMPLATCH™ Ribbon Cable Connectors at www.Jameco.com

Straight (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
496051	103309-1	10	A	$.67	$.65	$.56
850216	5103308-1 ♻ ♠	10	D	.78	.74	.68
737715	103309-2	14	A	.93	.84	.83
753571	5103309-2 ♻	14	B	.87	.78	.76
850241	5103308-2 ♻ ♠	14	D	1.50	1.38	1.31
753521	5103308-3 ♻ ♠	16	D	1.15	1.02	.92
496093	103309-5	20	A	1.52	1.36	1.18
496085	103308-5	20	C	1.30	1.25	1.12
753539	5103308-5 ♻ ♠	20	D	1.75	1.56	1.47
496296	103308-6	26	C	1.49	1.39	1.35
850275	5103308-6 ♻ ♠	26	D	1.47	1.26	1.06
737723	103309-7	34	A	2.05	1.82	1.59
753547	5103308-7 ♻ ♠	34	D	1.95	1.64	1.37
737731	103309-8 ♠	40	A	2.09	1.97	1.86
496114	103308-8	40	C	1.89	1.71	1.62
739825	1-103309-0 ♠	50	A	2.69	2.44	2.31
739817	1-103308-0	50	C	1.99	1.79	1.53

Right Angle (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
753619	5103310-1 ♻ ♠	10	D	$.95	$.81	$.68
753635	5103311-1 ♻ ♠	10	B	.71	.69	.68
737740	103310-2	14	C	.93	.82	.78
737758	103310-3	16	C	.62	.60	.60
737811	103311-3 ♠	16	A	1.07	.96	.91
737766	103310-5 ♠	20	C	1.20	1.10	1.00
737774	103310-6	26	C	1.55	1.43	1.31
739833	1-103310-0	50	C	3.19	2.87	2.46

Straight (with long latch)

Part No.	Product No.	Pos.	Plating	1	10	100
738822	104128-3	16	E	$3.49	$3.04	$2.76

3M Compact Flash Card Header

CF Type 1, Surface Mount



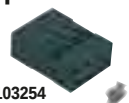
- Material: liquid crystal polyester (LCP), UL94V-0, beige
- Contact material: copper alloy
- Contact plating: 100µ" nickel under plating, gold flash over 80/20 palladium nickel, 50µ" 85/15 tin/lead solder tails • Current rating: 5A
- Insulation resistance: >1 x $10^9\Omega$ @ 500VDC
- Withstanding voltage: $500V_{RMS}$

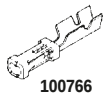
Part No.	Product No.	1	10	50
1644781	N7E50-7516PG-20 ♠	$8.19	$6.34	$5.17

JAMECO ValuePro .100" Non-Polarized Connector Housings & Crimp Pins

- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 98)
- Current rating: 1A
- Housing material: plastic
- Pin material: brass/tin plated
- Pin wire gauge: 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159266 pin crimper, pg 197 and 100766 crimp pin, below


103191


103254


100766


145358

More ValuePro Connector Housings & Crimp Pins at www.Jameco.com

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100812	SCH2 ♻	2	$.26	$.23	$.21	$.17
157383	SCH3 ♻	3	.27	.24	.22	.18
100803	SCH4 ♻	4	.31	.28	.26	.21
163686	SCH5 ⊕	5	.36	.324	.30	.264
103211	SCH6 ⊕	6	.41	.372	.324	.252
103203	SCH8 ♻	8	.39	.35	.29	.25
103191	SCH10 ♻	10	.42	.39	.36	.31
103182	SCH20 ♻	20	.59	.54	.468	.42

Double Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
103254	DCH8 ♻	8	$.59	$.53	$.45	$.39
157421	DCH10 ♻	10	.69	.62	.55	.49
157438	DCH14 ⊕	14	.73	.71	.69	.59
103238	DCH16 ♻	16	.87	.78	.70	.64
103230	DCH20 ♻	20	.99	.89	.79	.69
157462	DCH40 ⊕	40	1.09	.99	.89	.75
157472	DCH50 ♻	50	.65	.59	.47	.35

Crimp Pins for Single/Double Row Housings

• Prepackaged: please order in increments of 10

Part No.	Cross Ref.	Contacts	10	100	1000
100766	FCH1 ♻	Female pin	$.154	$.121	$.077
145358	MCH1 ♻	Male pin	.15	.135	.12

3M IDC Wiremount Socket Connectors 891 Series

0.100" x 0.100" for 0.050" Pitch Cables

Lower $$$


1578111

- Bumps prevent premature latch locking
- Double recessed cover for cable terminating from either side eliminates need for single recessed cover connectors
- Contact: phosphor bronze
- Plating: 100µ" nickel underplating; 30µ" gold wiping area
- Insulation material: glass filled polyester (PBT), gray, UL94V-0 • Current rating: 1A
- With center bump, pre-assembled w/o strain relief
- Accepts 26-28AWG solid or stranded wire
- Insulation resistance: 1MΩ @ 500VDC
- Withstanding voltage: $1000V_{RMS}$

Part No.	Product No.	Pos.	1	10	50
1578082	89110-0101 ♻	10	$.63	$.57	$.54
1578091	89114-0101 ♻ ♠	14	.65	.59	.56
1578111	89116-0101 ♻ ♠	16	.68	.61	.57
1578146	89120-0101 ♻ ♠	20	.74	.67	.62
1578171	89126-0101 ♻ ♠	26	.84	.77	.71
1578197	89134-0101 ♻ ♠	34	.94	.86	.80
1578218	89140-0101 ♻ ♠	40	1.26	1.14	1.07

For more 3M Connectors visit www.Jameco.com

JAMECO ValuePro .100" & 2mm IDC Socket Connectors

Double Row


32564

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 98)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimper P/N 73252, pg 106

More ValuePro IDC Socket Connectors at www.Jameco.com

Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32492	S10 ♻	10	$.29	$.25	$.19	$.15
119467	S16 ♻	16	.37	.31	.23	.18
32522	S20 ♻	20	.49	.407	.299	.225
32564	S26 ♻	26	.49	.358	.297	.195
32644	S34 ♻	34	.53	.42	.38	.27
32679	S40 ♻	40	.59	.459	.398	.296
32708	S50 ♻	50	.74	.65	.449	.337
32759	S60 ♻	60	.90	.82	.74	.60

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376	SN10 ⊕	10	$.39	$.34	$.31	$.28
138325	SN20 ⊕	20	.49	.434	.299	.225
138333	SN26 ⊕	26	.99	.72	.61	.55
138341	SN34 ⊕	34	.45	.40	.35	.28
138350	SN40 ⊕	40	.49	.45	.39	.29
138368	SN50 ⊕	50	.71	.63	.49	.39

3M Four-Wall Headers

More 3M Four-Wall Headers at www.Jameco.com

- Insulator material: glass filled polyester, black high-temperature, UL94V-0
- Contact material: copper alloy
- Plating: 100µ" nickel underplating; 30µ" gold wiping are with 200µ" matte tin solder tails
- Insulation resistance: 1MΩ @ 500VDC

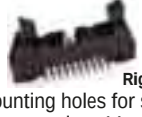
2500 Series
0.100" x 0.100" Low Profile


1578605

- Current rating: 2A
- Withstanding voltage: $1000V_{RMS}$
- For 0.0621" (1.57mm) board thickness
- Center polarization prevents misinsertion

Part No.	Product No.	Pos.	1	10	50
1578533	N2510-5002RB ♻ ♠	10	$1.49	$1.36	$1.28
1578541	N2510-6002RB ♻ ♠	10	1.33	1.22	1.14
1578584	N2514-6002RB ♻ ♠	14	1.39	1.26	1.19
1578605	N2516-6002RB ♻ ♠	16	1.55	1.41	1.32
1578621	N2520-6002RB ♻ ♠	20	1.59	1.45	1.37
1578672	N2526-6002RB ♻ ♠	26	1.69	1.55	1.50
1578710	N2534-6002RB ♻ ♠	34	2.09	1.87	1.79
1578736	N2540-6002RB ♻ ♠	40	2.69	2.50	2.35
1578761	N2550-6002RB ♻ ♠	50	2.79	2.51	2.34

3000 Series .100" x .100" Latch/Ejector


Right Angle


Straight

- Mounting holes for securing header to board
- Current rating: 1A

Short pin latch/ejector (right angle) — Minimum order 50 pieces

Part No.	Product No.	Pos.	50	300
1578947	N3429-5202RB ♻ ♠	26	$3.56	$3.34

Long pin latch/ejector (straight)

Part No.	Product No.	Pos.	1	10	100
1579190	N3793-6302RB ♻ ♠	10	$1.35	$1.26	$1.20

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

3M IDC Wiremount Socket Connectors 3000 Series

0.100" x 0.100" for 0.050" Pitch Cables

- Insulation: glass filled polyester (PBT), gray, UL94V-0
- 100µ" nickel underplating & U-slot; 30µ" gold wiping area
- Copper alloy contacts
- Current rating: 1A
- Withstanding voltage: 1000V_{RMS}
- Insulation resistance: 1MΩ @ 500VDC
- Accepts 26-28AWG solid or stranded wires
- Open end, center bump, military
- **1576466/1576941/1576933**: open end & military (dual slot)
- **1576984**: closed end, center bump, military



1576394

With Strain Relief

Part No.	Product No.	Positions	1	10	50
1576941	3473-6010♻♠	10	$2.19	$1.99	$1.93
1576968	3473-6610♻♠	10	2.59	2.42	2.38
1576984	3473-7610♻♠	10	2.09	1.92	1.79
1576407	3421-6620♻♠	20	3.69	3.42	3.37
1576191	3399-6626♻♠	26	4.29	3.90	3.50
1576263	3414-6634♻♠	34	5.99	5.09	4.68
1576335	3417-6640♻♠	40	7.05	5.95	5.39
1576466	3425-6050♻♠	50	8.39	8.02	6.78
1576482	3425-6650♻♠	50	8.39	8.04	7.68

Without Strain Relief

Part No.	Product No.	Positions	1	10	50
1576933	3473-6000♻♠	10	$1.95	$1.84	$1.81
1576950	3473-6600♻♠	10	1.79	1.72	1.66
1576132	3385-6600♻♠	14	2.15	2.07	2.00
1576861	3452-6600♻♠	16	2.35	2.27	2.19
1576394	3421-6600♻♠	20	2.59	2.49	2.44
1576183	3399-6600♻♠	26	3.35	3.29	3.25
1576255	3414-6600♻♠	34	4.35	4.21	4.07
1576327	3417-6600♻♠	40	5.15	4.80	4.77
1576474	3425-6600♻♠	50	6.39	5.99	5.96
1577864	7964-6500EC♻♠	64	9.05	8.22	7.65

3M IDC Socket Accessories



1576765 1577080 1577151

Strain Relief for Wiremount & D-Sub Sockets

Prepackaged: please order in increments of 5

Part No.	Product No.	Pos./Description	5	50
1576597	3448-3010♻♠	10/plastic SR	$.29	$.209
1576714	3448-89110♻♠	10/SR	.178	.168
1576765	3448-89126♻	26/SR	.178	.168
1576802	3448-8D09A♻♠	9/SR for D-Sub	.25	.209
1576829	3448-8D25A♻♠	25/SR for D-Sub	.299	.279

Ejector/Latch for Wiremount & Shrouded Pinless Headers

Prepackaged: please order in increments of 5

Part No.	Product No.	Description	5	50
1577080	3505-17♻♠	Ejector/latch for wiremount sockets	$.178	$.168
1577098	3505-2♻♠	Short pin ejector/latch for shrouded headers	.102	.095
1577119	3505-3♻♠	Long pin ejector/latch for shrouded headers	.102	.094

Keying Plug & Retainer Clip

✳ Prepackaged: please order in increments of 10

Part No.	Product No.	Description	1	10
1576554	3435-0♻	Keying plug for wiremount sockets ✳	$.079	
1577151	3505-34♻♠	CF card retainer clip	1.69	1.49

AMP Commercial MATE-N-LOK™ Connectors & Terminals

- Fully polarized nylon housing
- Hot side egg crate design for safety
- Insulation resistance: 500MΩ min. initial between adjacent circuits
- Durability: 50 cycles, mating and unmating
- Voltage rating: 350VAC or VDC
- Dielectric withstanding voltage: 1.5KVAC between adjacent circuits
- UL94V-2 rated housing

For more AMP MATE-N-LOK Connectors & Terminals visit www.Jameco.com



Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7



Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12 Fig. 13 Fig. 14

PCB In-Line Vertical Pin Header w/ Detent Lock (Fig. 1)

Part No.	Product No.	Positions	1	25	50
679607	350210-1♻	3	$.56	$.54	$.523
679674	350214-1♻	16	.95	.90	.86

PCB In-Line Vertical Socket Header w/ Detent (Fig. 2)

Part No.	Product No.	Positions	1	25	50
679682	770997-1♻	4	$1.06	$1.01	$.95

PCB In-Line Vertical Pin Header w/ Positive Lock (Fig. 3)

Part No.	Product No.	Positions	1	25	50
679586	350539-1♻	2	$.51	$.486	$.461
679594	350541-1♻	3	1.37	1.30	1.23
679615	350543-1♻	4	1.03	.98	.93

PCB Dual Row Vertical Pin Header w/ Positive Lock (Fig. 4)

Part No.	Product No.	Positions	1	25	50
679623	350425-1♻	6 (2 x 3)	$1.65	$1.47	$1.31
679631	350212-1♻	8 (2 x 4)	.93	.88	.84
679640	1-380991-0♻	10 (2 x 5)	2.39	2.25	2.13
679658	350213-1♻	12 (2 x 6)	2.39	2.25	2.13
679666	350214-1♻	16 (2 x 8)	2.95	2.78	2.63

In-Line Housing Plug, Free Hanging (Fig. 5)

Part No.	Product No.	Positions	1	25	50
679383	770827-1♻	4	$.35	$.332	$.314

In-Line Housing Cap, Free Hanging (Fig. 6)

Part No.	Product No.	Positions	1	25	50
679308	1-480350-0♻	1	$.20	$.139	$.10
679316	1-480351-0♻	1	.20	.115	.098
679324	1-480305-0♻	3	.21	.207	.19

In-Line Housing Plug, Free Hanging w/ Positive Lock (Fig. 7)

Part No.	Product No.	Positions	1	25	50
679367	1-480721-0♻	3	$.73	$.71	$.70
679375	1-480722-0♻	4	.90	.85	.81

Dual Row Housing Cap w/ Positive Lock (Fig. 8)

Part No.	Product No.	Positions	1	25	50
679332	1-480340-0♻	6 (2 x 3)	$.67	$.64	$.61
679341	1-480345-0♻	8 (2 x 4)	.80	.76	.72
679359	1-480339-0♻	10 (2 x 5)	.85	.81	.77

Motor Mount, Dual Row Plug w/ Positive Lock (Fig. 9)

Part No.	Product No.	Positions	1	25	50
679391	1-480283-0♻	6 (2 x 3)	$.48	$.446	$.422
679404	1-480285-0♻	10 (2 x 5)	.85	.81	.77
679412	1-480287-0♻	12 (2 x 6)	1.23	1.22	1.11
679421	1-480438-0♻	16 (2 x 8)	1.69	1.60	1.52

Motor Mount, Dual Row Cap w/ Positive Lock (Fig. 10)

Part No.	Product No.	Positions	1	25	50
679527	1-480271-0♻	6 (2 x 3)	$.87	$.81	$.78
679535	1-480284-0♻	8 (2 x 4)	1.29	1.19	1.08
679543	1-480286-0♻	10 (2 x 5)	1.59	1.49	1.25
679551	1-480288-0♻	12 (2 x 6)	1.79	1.72	1.59
679560	1-480439-0♻	16 (2 x 8)	1.29	1.23	1.16

Panel Mount Housing Plug w/ Positive Lock (Fig. 11)

Part No.	Product No.	Positions	1	25	50
679471	1-480304-0♻	3 (1 x 3)	$.26	$.242	$.229
679480	1-480273-0♻	6 (3 x 2)	.84	.81	.78
679498	1-480274-0♻	9 (3 x 3)	.86	.84	.82
679501	1-480275-0♻	12 (3 x 4)	1.10	1.06	1.02
679519	1-480323-0♻	15 (3 x 5)	1.69	1.59	1.51

Panel Mount Housing Cap w/ Positive Lock (Fig. 12)

Part No.	Product No.	Positions	1	25	50
679439	1-480276-0♻	6 (3 x 2)	$.45	$.417	$.392
679447	1-480277-0♻	9 (3 x 3)	.86	.82	.80
679455	1-480278-0♻	12 (3 x 4)	.92	.87	.82
679463	1-480324-0♻	15 (3 x 5)	1.36	1.35	1.34

Vertical In-Line IDC (Fig. 13)

Part No.	Product No.	Positions	1	25	50
679691	770156-4♻	4 (20AWG)	$.55	$.53	$.51
679703	770156-3♻	4 (18AWG)	.55	.53	.51

IDC Dust Covers (Fig. 14)

Part No.	Product No.	Positions	1	25	50
679711	770232-1♻	4 (Feed-to)	$.20	$.169	$.161
679720	770233-1♻	4 (Feed-thru)	.20	.169	.160

Crimp Terminals

- Material: brass, gold
- **Prepackaged: please order in increments of 10**

Part No.	Product No.	Type	AWG	10	100
679578	60618-5♻	Pin	24-18	$.91	$.89

We're Listening to What You Need

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♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

AMP Universal MATE-N-LOK™ Crimp Terminals

- Solid pin diameter: 0.084"
- Used with universal mate-n-lock connectors
- Material: **A**–phosphor bronze/pre-tin; **B**–brass/pre-tin
- **Prepackaged: please order in increments of 10**


847009

Part No.	Product No.	Type	AWG	Material	10	100
847009	350922-3 ♻	Pin	12-10	A	$.135	$.122
845652	350536-3 ♻	Socket	20-14	A	.079	.071
845687	350537-1 ♻	Socket	20-14	B	.049	.046

AMP Extraction Tool

- Use with miniature rectangular connectors



Part No.	Product No.	1	10
526660	455822-2	$19.15	$17.66

AMP Card Edge Connector Standard Edge II

0.100" centers, vertical, w/o mounting ears

- 0.025" square posts
- Accepts double sided PC boards 0.051" – 0.070" thick
- Voltage rating: 1000VAC
- Contact res.: 10mΩ max. • Contact rating: 3A
- Insulation resistance: 5000MΩ min.
- Housing: glass filled polyester 94V-0 rated
- Contacts: phosphor bronze w/ 30µ" gold in contact area, tin on posts w/ entire contact nickel underplated



Part No.	Product No.	1	10	100
849629	5-530843-0	$2.15	$1.94	$1.83

AMP FT Connector Assembly SFP

Small Form-Factor Pluggable

- Right angle 0.8mm pitch
- Contact: phosphor bronze
- Housing: high-temperature LCP UL94V-0 rated, black
- Plating: 0.38µ" min. gold in contact area, 13µ" min. gold in solder area, 38µ" min. nickel underplate



Part No.	Product No.	Positions	1	10	100
741010	1367073-1 ♻	20	$1.89	$1.75	$1.57

Cinch .085" (2.16mm) Density Mini Ribbon Connector

IDC, Super Ribbon w/ Hood (Plastic)

- Standard 90° orientation, commercial end entry cable
- Terminates discrete wires with ultra-low resistance solder connections



- Metal shell provides grounding/shielding capability
- All plugs lock w/ INSTALATCH passive latch features for automatic latching • Bail latch, 0.116" hole
- Insulator: blue UL94V-0 rated diallyl phthalate type MDG • Contact: copper alloy
- Contact plating: select gold over 50µ" select nickel (standard); 30µ" select gold over 50µ" select nickel
- Shell: steel; plating: zinc w/ chromate coating
- Voltage rating: 500VAC/125VAC
- Withstanding voltage: 1200VAC$_{RMS}$
- Contact rating: 5A • Contact resistance: 6mΩ
- Insulation resistance: 5000MΩ min. initial

Part No.	Product No.	Positions	1	25	50
1809371	97-22640-91	64 socket	$7.99	$7.49	$7.29

Cinch CARDCON™ Edge Connectors

- 0.156" (3.96mm) density • Current rating: 5A
- Contact resistance: 6mΩ max.
- Withstanding voltage: 1800VAC$_{RMS}$
- Insulation resistance: 5000MΩ min.

Commercial Grade


423265

- Insulation material: glass filled polyester, black, UL94V-0 rated
- Contact material: spring brass
- Contact plating: 10µ" selective gold over 30µ" nickel in contact, tin on tails

Double solder tails, double readout, 0.200" (5.08mm) row spacing

Part No.	Product No.	Contacts/Pos.	1	10	100
1775941	50-12SN-3 ♠	6/12	$2.39	$2.08	$1.78
423118	50-20SN-3 ♠	10/20	3.25	2.98	2.69
423265	50-44SN-3 ♠	22/44	5.29	4.79	4.39

High Reliability



- DIP solder/solder eyelet
- Insulation material: thermoplastic black or diallyl phthalate green
- Contact material: phosphor bronze
- Contact plating: 30µ" selective gold over 50µ" copper in contact area, 5µ" gold on tails

DIP solder tails, double readout, 0.200" (5.08mm) row spacing

Part No.	Product No.	Contacts/Pos.	1	25	50
1775959	50-30H-10 ♠	15/30	$6.99	$6.49	$6.29
1775967	50-44H-10 ♠	22/44	9.49	9.29	8.75
423273	50-44B-10 ♠	22/44	4.35	3.91	3.59

DIP solder tails, single readout, 0.128" (3.25mm) mounting hole

Part No.	Product No.	Contacts/Pos.	1	25	50
423290	50-22B-10 ♠	22/22	$6.25	$5.67	$5.21

Cinch Card Extender



- Insulation material: diallyl phthalate, green
- Contact material: beryllium copper
- Contact plating: 30µ" select gold over 50µ" nickel in contact area, 10µ" gold tails
- Withstanding voltage: 830VAC$_{RMS}$
- Current rating: 5A • Contact resistance: 5mΩ max.
- Insulation resistance: 5000MΩ min.

Part No.	Product No.	Contacts/Pos.	1	25	50
1775975	50-44S-30 ♠	22/44	$7.99	$7.49	$7.29

Cinch Accessories

1809362: card guide, polypropylene, green
448489: polarizing key, glass epoxy


1809362

Part No.	Product No.	1	25	50
1809362	50GP-1 ♠	$.99	$.89	$.82
448489	50PK-2	.29	.26	.24

For more Cinch Edge Connectors & Accessories visit www.Jameco.com

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

ValuePro Card-Edge Connector



- Fits all PC boards
- 0.054" to 0.070" thick
- Solder tail 0.200" spacing between rows
- Contact centers: 0.100" • Without mounting ears

Part No.	Position	Contacts	1	10	100
40695	31/62 ♻	Tin (PC/AT)	$1.12	$.99	$.78

ValuePro .100" IDC Plug Connectors



- Plastic • Dual row
- 0.100" x 0.100" grid
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, pg 107

Part No.	Cross Ref. No.	Contacts	1	10	100
29218	P50 ♻	50	$2.45	$2.19	$1.87

ValuePro PCB Centronics Connectors


72151


72081

- Solder-type contacts
- Space between rows: 0.164" • Metal body
- Space between pins: 0.1" • PC mount

Part No.	Description	1	10	100
72151	36-contact F, rt angle	$3.55	$3.19	$2.87
72081	50-contact F, rt angle ♻	5.94	5.34	4.74

ValuePro PS/2 Keyboard Adapter

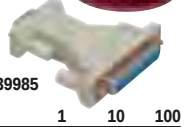
- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)



Part No.	Length	Housing	1	10	100
159097	1.4"	Metal	$3.49	$2.99	$2.24

ValuePro D-Sub 9-Pin to 25-Pin Serial Adapters

10321: For PC/XT systems with DB25 serial ports.
139985: gold-plated contacts, extra long thumbscrews


139985

Part No.	Description	1	10	100
10321	DB9 M to DB25 F ⊕	$5.15	$4.32	$3.64
189632	DB9 M to DB25 M ⊕	3.49	3.15	2.85
139985	DB9 F to DB25 F ⊕	3.99	3.36	2.52

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

10305: For use in AT or other computer systems that have 9-pin D-sub serial ports.
163740: For PC/XT systems with DB25 serial ports.


163740

Part No.	Description	1	10	100
10305	DB9 F to DB25 M ⊕	$3.15	$2.69	$1.99
163740	DB9 M to DB25 F, thumbscrews on DB9 side only	2.55	2.19	1.65

For more ValuePro Connectors & Adapters visit us online at www.Jameco.com

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Cinch Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors


248823


428120


248786

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250 VAC max.
- Contact resistance:16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic

Sockets with Hood and 180˚ Clamp

Part No.	Product No.	Contacts	1	25
248807	S-302-CCT	2	$2.69	$2.47
248823	S-304-CCT	4	2.99	2.76
248831	S-306-CCT	6	3.75	3.33
427952	S-315-CCT	15	9.95	9.10

Sockets with Angle Bracket and 180˚ Clamp

Part No.	Product No.	Contacts	1	25
428120	S-304-AB	4	$1.99	$1.90
428171	S-306-AB	6	2.49	2.32

Plugs with Hood and 180˚ Clamp

Part No.	Product No.	Contacts	1	25
248760	P-302-CCT	2	$2.29	$2.02
248786	P-304-CCT	4	3.09	2.49
248794	P-306-CCT	6	2.89	2.62
445966	P-312-CCT	12	5.55	5.14
445982	P-315-CCT	15	7.25	6.57

For more Cinch Jones Plugs and Sockets visit us online at www.Jameco.com.

Series 2400 Multiple-Density Solder-Eyelet Connectors


444681


444701


428197

- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VAC
- Contact plating: cadmium
- Socket contacts have solder eyelets with 0.093" diameter
- Plug prongs are 0.250"W x 0.55"Th.
- For use in cable-to-cable and cable-to-panel applications
- Insulation material: molded monoblock, general purpose phenolic, black
- Contact material: plug–brass; socket–phosphor bronze
- Hood material: formed metal with dielectric liner

Sockets with Hood and 180˚ Clamp

Part No.	Product No.	Contacts	1	25
444681	S-2406-CCT	6	$9.59	$8.78
444699	S-2408-CCT	8	8.79	7.99

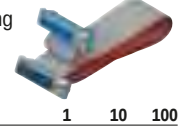
Socket with Angle Bracket

Part No.	Product No.	Contacts	1	25
444701	S-2408-AB	8	$9.45	$7.07

Plug with Hood and 180˚ Clamp

Part No.	Product No.	Contacts	1	25
428197	P-2408-CCT	8	$10.39	$9.48

Ribbon Cable Assemblies


12408

- Metal connector
- 300V rating
- 28 AWG flat cable
- 105°C rating
- Tin-plated contacts

Part No.	Description	1	10	100
12408	4' DB25 M-F	$5.09	$4.49	$4.08
208582	6' DB9 M-F	4.75	4.26	3.83

DIN and Mini DIN Plugs & Receptacles


177236


15887

- Solder barrels w/ strain relief
- See pg 84 for cable

Part No.	Pins	Type	1	10	100
142280	4	Mini plug	$.79	$.68	$.53
142262	6	Mini plug	.89	.77	.59
177244	6	Mini receptacle	1.19	1.02	.83
111879	8	Mini plug	1.19	1.07	.89
177236	8	Mini receptacle	1.09	.93	.69
15879	5	DIN plug	.54	.49	.43
180873	5	DIN receptacle	.63	.54	.408
15887	6	DIN plug	.65	.54	.422
15894	8	DIN plug	.78	.68	.516

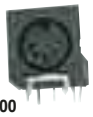
DIN Female Sockets


15852

- Metal body
- Panel mount with solder lugs

Part No.	Cross Ref.	# of pins	1	10	100
15844	DINJ5	5	$1.39	$1.25	$1.14
15852	DINJ6	6	1.75	1.56	1.44
15861	DINJ8	8	1.49	1.35	1.15

Right Angle DIN Female Sockets


29400

- Set back: 0.5"
- PC mount contacts

119475: Plastic/metal body
29400: Plastic body

Part No.	Cross Ref. No.	# of pins	1	10	100
119475	MDR6S	6 (mini)	$2.45	$2.13	$1.64
29400	RD5	5	.71	.64	.48

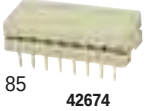
.100" DIP Header Plugs


37331

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

Part No.	Product No.	Width	Pins	1	10	100
37130	14HP	0.3"	14	$1.35	$1.11	$.99
37331	16HP	0.3"	16	1.65	1.45	1.17

.100" IDC DIP Flat Cable Plugs


42674

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 85
- Plastic with gold-plated contacts
- Current rating: 1A

Part No.	Cross Ref. No.	Width	Contacts	1	10	100
42657	609-14	0.3"	14	$.55	$.452	$.396
42674	609-16	0.3"	16	.65	.53	.412
104097	609-20	0.3"	20	.83	.75	.66
42691	609-24	0.6"	24	.95	.82	.74
99670	609-28	0.6"	28	.89	.80	.72
42712	609-40	0.6"	40	1.29	1.17	1.05

More ValuePro Plugs & Sockets online at www.Jameco.com. Visit us today!

Slim-Line D-Sub Gender Changers


18497


56071


18447

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male) • Tin plated shells

Part No.	Description	1	10	100
18497	9-pin male to male	$5.19	$4.72	$4.19
18489	9-pin female to female	5.85	5.29	4.70
56071	15-pin male to male	3.95	3.49	2.95
56063	15-pin female to female	4.15	3.74	3.35
119320	15-pin female to female HD	4.75	4.28	3.84
119301	15-pin male to male HD	5.25	4.76	4.19
18447	25-pin male to male	5.95	5.39	4.79
18420	25-pin female to female	5.95	5.48	4.86
170085	25-pin M-F (pass through)	3.55	3.18	2.82

Full Handshaking Null Modem Adapters

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.


26243

Internal pin configuration:

17224: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
26243: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243	DB25 M to DB25 F	$4.35	$3.98	$3.80
17224	DB25 F to DB25 F	3.65	3.09	2.62

Standard D-Sub Gender Changers


16635


16643

- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635	D-sub 9-pin male	$2.35	$2.10	$1.79
16643	D-sub 9-pin female	1.95	1.75	1.49

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com



RoHS compliant product — This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

JAMECO ValuePro USB-A & B Connectors

1.0 and 2.0



161024 (USB-A)



230958 (USB-B)

More ValuePro USB Connectors online at www.Jameco.com

Female Connectors

- PC mount right angle with board locks

Part No.	Description	1	10	100	1000
161024	USB-A 1.0 conn. (F)	$.86	$.75	$.68	$.61
230958	USB-B 2.0 conn. (F)	.99	.85	.55	.42

AMP USB Type-B Connector



- Right angle, female
- 4-position, thru-hole
- Material: shell and contacts – copper alloy; housing – UL94V-0 thermoplastic, black
- Plating: 0.076µm min. gold over 0.76µm min. palladium-nickel on mating area, 3.8µm min. matte tin on solder tails both over nickel

Part No.	Product No.	1	10	100
841053	292304-1	$.89	$.86	$.84

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.



- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351	13"	USB adapter	$12.35	$11.75	$11.15

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Length: 12"
- Ribbon cable with header connector

149623



355688: 1 serial port **149623:** 1 parallel port

Part No.	Description	1	10	25
355688	DB9 to 10-pin header	$2.25	$1.91	$1.43
149623	DB25 to 26-pin header	4.29	3.84	2.87

KEYSTONE Computer Card Bracket



- 4-40 threaded tabs
- Material: steel, nickel plated
- Length: 4.725" • PCI format

Part No.	Product No.	Description	1	10	100
1582356	9203	Blank panel	$1.99	$1.95	$1.92

Computer Card Brackets



Fig.: 1 2 3 4

- For securing cards into bus slots • Length: 4.75"
- Fits PC/XT/AT cases
- See pg 95 for DB connectors

Part No.	Description	Fig.	1	10	100
101718	For DB9 connector	1 ...	$1.79	$1.59	$1.45
101733	For DB25 connector ⊕	2	1.79	1.52	1.14
101741	For DC37 connector ⊕	3	1.79	1.52	1.14
101831	For DB9/DB25 conn.	4	1.79	1.59	1.45

AMP DIP Sockets

Dual Leaf Straight Solder Tail



524576

- Accepts .008" to .014" thick IC leads
- Contact: phosphor bronze w/ 15µ" gold plate
- Housing: glass filled thermoplastic, 4V-0 rated, black

Part No.	Product No.	Pos.	Width	1	10	100
524576	2-640357-4	14	0.3	$.54	$.51	$.49
524584	2-640358-4	16	0.3	.59	.534	.512

Economy Ladder Style

For more AMP DIP Sockets visit us online at www.Jameco.com

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating
- **Prepackaged: please order in increments of 10**

Part No.	Product No.	Pos.	Width	10	100	500
526281	390261-1	6	0.3 ...	$.071	$.068	$.065
683091	1-390261-1	6	0.3	.071	.068	.065
526299	390261-2	8	0.3	.081	.074	.07
683104	1-390261-2	8	0.3	.081	.074	.07
526192	390261-3	14	0.3	.089	.084	.081
683112	1-390261-3	14	0.3	.106	.098	.089
526205	390261-4	16	0.3	.093	.086	.082
683121	1-390261-4	16	0.3	.125	.105	.098
526213	390261-5	18	0.3	.146	.135	.118
683139	1-390261-5	18	0.3	.146	.135	.118
526221	390261-6	20	0.3	.157	.137	.118
683147	1-390261-6	20	0.3	.141	.129	.119
683163	1-390261-8	24	0.3	.183	.174	.165
526230	390262-1	24	0.6	.185	.176	.167
683198	1-390262-1	24	0.6	.185	.176	.167
526248	390261-9	28	0.3	.243	.235	.219
683171	1-390261-9	28	0.3	.243	.235	.219
526256	390262-2	28	0.6	.255	.237	.221
683201	1-390262-2	28	0.6	.255	.237	.221
526272	390262-5	40	0.6	.233	.216	.212
683227	1-390262-5	40	0.6	.282	.271	.252

Economy Over-the-Component Style

Part No.	Product No.	Pos.	Width	1	10	100
683286	1-390263-2	32	0.6 ...	$.20	$.189	$.188

AUGAT PLCC Sockets



848765

- Contacts: copper alloy with 180µ" to 340µ" tin plate over 50µ" min. nickel
- Insulator: PPS brown, UL94V-0
- Contact res.: 30mΩ max.
- Capacitance: 1pF max. @ 1kHz • Current rating: 1A
- Dielectric withstanding voltage: 600VAC
- Size: 848765: 0.89"W x 0.36"H; 848829: 1.39"W x 0.36"H

Part No.	Product No.	Positions	1	10	100
848765	PCS-044A-1-LF ♠	44	$2.09	$2.07	$2.05
848829	PCS-084A-1-LF ♠	84	2.89	2.77	2.64

AUGAT HOLTITE Series Zero-Profile Press-Fit Socket



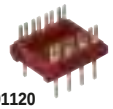
- Contact resistance: 10mΩ max.
- Contact rating: 3A • Carrier strip: mylar
- Contact: beryllium copper • Finish: gold
- Round lead: 0.025" to 0.035" diameter
- **Prepackaged: please order in increments of 5**

Part No.	Product No.	5	50
848132	8134-HC-8P2 ♠	$.161	$.155

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

ARIES DIP Headers

Series 600 Headers w/ Coined Contacts



291120



291574

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temp.: 221˚F (105˚C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads

Part No.	Product No.	Pos.	W (in.)*	1	10	100
291120	08-600-10	8	0.300	$1.09	$.96	$.79
291312	14-600-10	14	0.300	1.55	1.37	1.11
291574	16-600-10	16	0.300	1.69	1.49	1.22

* Center to center pin width

ARIES SOIC/SOJ to DIP Adapters

Series 350000



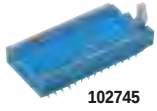
291515

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins w/ 200µ" (5.08µm) min. tin plating
- Operating temperature: 221˚F (105˚C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.
- Center pins: 0.300" (7.62mm) • SOIC package

Part No.	Product No.	Pins	L"xW"	1	10	100
291208	08-350000-10	8	.400 x .46	$6.59	$5.59	$4.50
291515	16-350000-10	16	.800 x .45	6.55	5.59	4.65

ARIES Low Profile ZIF Sockets

Series 526



102745

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67˚F to 221˚F (-55˚C to 105˚C)
- Suggested PCB hole size: .035" (0.89mm) Dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
102745	28-526-10	28	1.64 x .75	$5.75	$5.24	$4.71
102753	40-526-10	40	2.24 x .75 ...	9.15	8.32	7.08

JAMECO ValuePro PLCC Solder Tail Sockets



71969

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"

Part No.	Cross Ref. No.	Pins	1	10	50	100
71618	G1P444 ⊕	44	$1.15	$.99	$.81	$.69
72442	G1P452 ⊕	52	1.05	.83	.68	.58
71969	G1P468	68	1.39	1.18	1.06	.94
71977	G1P484	84	1.35	1.24	.97	.73

Other Manufacturers — Great Deals

687691	821573-1	84	$1.40	$1.31	$1.18	$.99

JAMECO ValuePro SIMM Socket

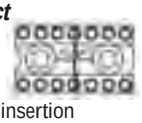


- Locking tabs • Tinned contacts
- Keyed mounting posts
- Memory module sockets

Part No.	Description	1	10	100	500
100302	Single x 30-pin, vert.	$.99	$.89	$.79	$.75

AUGAT DIP Sockets

500 Series Four Fingered Contact & Solid Insulator



- Precision four fingered inner contacts provide concentric funnel entry for easy flat and rounded lead insertion
- Insulator: thermoplastic polyester, UL94V-0 rated
- Sleeve: machined brass/formed copper
- Contact: beryllium copper • Contact plating: gold
- Contact res.: 10mΩ max. • Contact rating: 3A
- Capacitance: 1pF per MIL-STD-202
- Insulation resistance: 5000MΩ min.
- Dielectric withstanding voltage: 1000V_{RMS}

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pins	Width	1	10	100
619971	508-AG10D♠✪	8	0.3"	$2.09	$1.90	$1.69
619989	514-AG10D♠✪	14	0.3"	4.19	3.78	3.14
620015	516-AG10D♠✪	16	0.3"	5.39	4.85	4.59
847754	520-AG10D♠	20	0.3"	4.25	3.99	3.75
847877	528-AG10D♠	28	0.3"	11.49	10.77	10.13

ARIES High Temp. Universal ZIF Test Sockets

Series 6554



295162

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature: -10: 221°F (105°C) – tin plating; -11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Center pins: 0.600"
- Insulation res.: 1000MΩ • Contact current: 1A
- Dielectric withstanding voltage: 1000VAC

Part No.	Product No.	Pins	L" x W"	1	10	100
103992	24-6554-10	24	1.8 x 0.9	$7.89	$7.13	$6.29
104003	28-6554-10	28	2.0 x 0.9	8.89	7.76	7.51
104012	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104030	40-6554-10	40	2.5 x 0.9	11.85	10.29	9.92
295162	28-6554-11	28	1.4 x 0.9	11.85	10.91	10.36
295209	32-6554-11	32	1.6 x 0.9	13.15	11.49	11.39
295233	40-6554-11	40	2.0 x 0.9	16.25	14.19	13.79

JAMECO ValuePro Machine Contact Single-In-Line Female Sockets

- Machine tooled • Single row
- Solder tail and wire wrap



78642



104054

Part No.	Description	1	10	100
102201	10-pin	$.27	$.24	$.21
78642	30-pin	.99	.88	.76
175920	36-pin	1.35	1.20	1.07
101283	20-pin WW2 †	1.65	1.50	1.21
104054	30-pin WW3 *	2.25	2.01	1.71

† Lead length: .435"(2) * Lead length: .575" (3)

JAMECO ValuePro Machine Contact Dual-In-Line Female Sockets

- 0.100" centers
- Solder tail contact: .114"L
- Contact clip: gold • Pin sleeve: tin

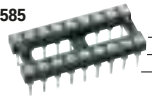


212880

Part No.	Cross Ref. No.	Pins	1	10	100
212880	SA161000⊕	16	$.40	$.37	$.34
212936	SA481000	48	1.20	1.11	1.01

JAMECO ValuePro Machine Tooled Solder Tail Low-Profile Sockets

65585



- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass
- Thru-hole lead length: .177" (A) • Body ht.: .117" (B)

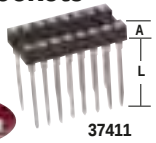
More ValuePro Low-Profile Sockets at www.Jameco.com

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
167004	6MLPT	6	0.3	$.29	$.26	$.18
51626	8MLP	8	0.3	.28	.25	.21
37197	14MLP	14	0.3	.44	.40	.34
37402	16MLP	16	0.3	.47	.43	.37
65585	18MLP	18	0.3	.65	.57	.492
38623	20MLP⊕	20	0.3	.59	.55	.45
39387	24SMLP	24	0.3	.79	.70	.56
39351	24MLP⊕	24	0.6	.78	.71	.64
114412	28SMLP	28	0.3	.85	.75	.65
40329	28MLP	28	0.6	1.95	1.77	1.53
105381	32MLP	32	0.6	.95	.85	.75
41136	40MLP⊕	40	0.6	1.59	1.42	1.07
42060	48MLP	48	0.6	1.55	1.40	1.25

Other Manufacturers — Great Deals

662573	8MLP	8	0.3	$.22	$.20	$.17
192209	224SMLP	22	0.4	.53	.477	.382
652359	24MLP-GLD	24	0.6	.59	.53	.42
184680	284SMLP	28	0.4	.80	.72	.58

JAMECO ValuePro Level 3 Machine Tooled Wire Wrap Sockets



37411

- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ
- Sleeve material: brass • Body height: .115" (A)
- Thru-hole lead length: .365" (L2); .515" (L3)

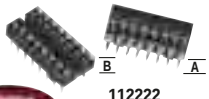
More ValuePro Wire Wrap Sockets at www.Jameco.com

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	$.64	$.55	$.456
62051	14MSWW3	14	0.3	1.05	.88	.74
37411	16MSWW3	16	0.3	1.19	1.01	.85
94482	18MSWW3	18	0.3	1.15	.98	.82
38632	20MSWW3	20	0.3	1.39	1.20	1.00
105372	24SMSWW3	24	0.3	1.59	1.36	1.14
94491	24MSWW3	24	0.6	1.86	1.58	1.34
200716	283MSWW3	28	0.3	1.85	1.54	1.29
40336	28MSWW3⊕	28	0.6	1.89	1.60	1.52
117057	32MSWW3⊕	32	0.6	2.19	1.99	1.79
94503	40MSWW3	40	0.6	2.75	2.35	1.96

Other Manufacturers — Great Deals

313656	24MSWW3	24	0.6	$1.43	$1.26	$1.06

JAMECO ValuePro Dual Wipe Solder Tail Low-Profile Sockets



112222

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)
- **Prepackaged: please order in increments of 10**

More ValuePro Dual Wipe Low-Profile Sockets online at www.Jameco.com

✪ Blue Part No. = Limited Quantity Available

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
112193	6LPD	6	0.3	$.09	$.066	$.063
112206	8LPD	8	0.3	.09	.08	.07
112214	14LPD	14	0.3	.10	.075	.05
112222	16LPD	16	0.3	.13	.115	.095
112231	18LPD	18	0.3	.16	.14	.12
112281	24SLPD⊕✪	24	0.3	.13	.111	.083
112266	24LPD	24	0.6	.164	.147	.121
112300	28SLPD	28	0.3	.428	.388	.347
112301	32LPD	32	0.6	.206	.191	.175
112311	40LPD	40	0.6	.287	.257	.248

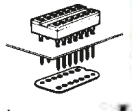
Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
51571	8LP	8	0.3	$.065	$.054	$.049
689928	ED08DT	8‡	0.3	.075	.065	.055
37162	14LP	14	0.3	.076	.065	.058
689936	ED14DT	14‡	0.3	.095	.078	.048
37373	16LP	16	0.3	.213	.191	.128
689944	ED16DT	16‡	0.3	.085	.068	.054
38113	18LP	18	0.3	.106	.083	.066
689952	ED18DT	18‡	0.3	.14	.12	.10
38608	20LP	20	0.3	.222	.185	.13
112248	20LPD⊕✪	20‡	0.3	.153	.13	.098
39378	24SLP	24	0.3	.187	.178	.16
39335	24LP⊕	24	0.6	.16	.15	.11
40301	28LP	28	0.6	.171	.117	.081
112272	28LPD	28‡	0.6	.19	.16	.12
689961	ED28DT	28‡	0.3	.18	.15	.11
689979	ED32DT	32‡	0.6	.18	.15	.11
41111	40LP	40	0.6	.25	.23	.16
689987	ED40DT	40‡	0.6	.22	.19	.13

‡ Dual Wipe

Wire Wrap Socket I.D. Markers





37145

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Material: plastic
- Can easily write location, part number or function

Part No.	Prod. No.	Pins	Width (in.)	1	10	100
51561	8ID	8	0.3	$.44	$.35	$.30
37145	14ID	14	0.3	.35	.31	.28
37356	16ID	16	0.3	.36	.325	.247
38586	20ID	20	0.3	.47	.452	.429
39327	24ID	24	0.6	.44	.408	.384
40299	28ID	28	0.6	.78	.71	.57
41101	40ID	40	0.6	.94	.92	.91

More Sockets available online at www.Jameco.com

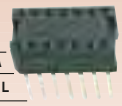
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: <5mΩ
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Dielectric withstanding voltage: 300V
- Sleeve material: brass • Body height: .300" (A)

CA



37234

More Circuit Assembly Wire Wrap Sockets at www.Jameco.com

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37234	14WW2	14	0.3	$1.79	$1.62	$1.43	$1.31
37480	16WW2	16	0.3	3.45	3.32	2.46	2.15
40353	28WW2	28	0.6	5.75	5.15	4.75	4.15

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37218	14TWW2	14	0.3	$1.75	$1.55	$1.40	$1.26
87637	18TWW2	18	0.3	1.43	1.36	1.29	1.19
75380	20TWW2	20	0.3	3.19	3.05	2.26	1.97
75416	24TWW2⊕	24	0.6	2.25	1.98	1.49	1.25
41180	40TWW2	40	0.6	2.99	2.58	2.51	2.38

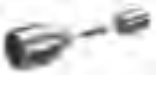
Other Manufacturers — Great Deals

196841	14TWW3	14	0.3	$.82	$.74	$.59	$.44

N-Type Crimp Plug

- Attachment (outer/inner): crimp/crimp • Silver-plated

697012: RG8/9/87A/213/214/225
697021: RG55/142/223/400



Part No.	Product No.	1	10	25
697012	82-4425♠	$14.15	$13.71	$13.09
697021	82-5370♠	10.35	10.05	9.61

For more Amphenol Plugs, Adapters, and Jacks visit us online at www.Jameco.com

N-Type Adapter

- In-series • Socket/socket
- Body style: bulkhead
- Brass, nickel plated
- Contact: beryllium copper, silver plated



Part No.	Product No.	1	10	25
697039	82-66♠	$24.99	$24.26	$22.36

SMA PCB Jacks

- Applications: cellular phone, data communication, instrumentation and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Temperature range: -65˚C to 165˚C


188509


188525

Part No.	Product No.	1	10	25
188509	901-144-8-RFX	$3.19	$2.56	$2.49
188525	901-143-6-RFX	5.25	5.15	5.05

www.Jameco.com

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BNC Connectors and Adapters

For more Amphenol Connectors visit www.Jameco.com

- Frequency range: 0-4GHz
- Contact plating: silver/gold
- Cable type: **696159:** RG174/188A/316/Belden 7805A **188349:** RG174/188/316 **188306:** RG58/184 **696757:** RG174/188A/316/Belden 7805A
- Working voltage: 500V
- Body plating: nickel/tin-lead


Fig.1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6

Part No.	Product No.	Fig.	Description	1	10	25
696132	31-10	—	50Ω receptacle, straight/bulkhead, solder cup	$5.19	$5.09	$5.05
188429	31-208-RFX	1	50Ω jack-plug-jack	4.19	3.39	2.65
223554	31-3220	2	50Ω bulkhead adapter, straight, jack-jack (UG-492D/U)	11.25	9.88	8.90
223511	31-221	3	50Ω bulkhead receptacle, straight, solder cup (UG-1094/U)	1.99	1.79	1.64
696159	31-315♠	4	50Ω plug crimp, 3-piece	6.25	6.05	5.39
188349	31-315-RFX	5	50Ω plug crimp, 3-piece	2.25	1.99	1.75
188306	31-320-RFX	4	50Ω plug crimp, 3-piece	1.39	1.24	1.20
696757	69475♠	6	50Ω plug, straight, clamp/solder	10.19	9.17	8.25

BNC Connectors

Quantity SAVE

For more ValuePro BNC Connectors visit www.Jameco.com


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12 Fig. 13 Fig. 14 Fig. 15 Fig. 16 Fig. 17

Part No.	Cross Ref. No.	Fig.	Description	1	10	100
311344	31-10-RFX	1	50Ω BNC jack, bulkhead	$2.49	$2.11	$1.77
311327	69475⊕	2	50Ω BNC plug, clamp for RG-174/179/187/188/316	5.85	4.72	3.54
355179	31-221	3	50Ω BNC blkhd rcptcle w/ grounding lug, solder cup (UG-1094/U)	2.09	1.85	1.68
71790	200-177	4	BNC male terminator (75Ω)	1.65	1.31	1.07
135618	200-141	5	BNC male with pin and ferrule (RG6)	1.18	.92	.60
71482	200-145	5	BNC male with pin and ferrule (RG58)	1.65	1.49	1.35
71271	200-143	5	BNC male with pin and ferrule (RG59/62)	.98	.80	.71
112109	G7409⊕	5	BNC male with pin and ferrule (RG174)	1.79	1.45	1.29
71781	200-142	6	BNC male twist-on (RG59/62)	1.09	.99	.89
71590	G1B235	7	BNC female panel mount (UG-1094A)	1.79	1.62	1.50
71909	200-160	8	BNC female/female coupler (UG-914)	1.29	.99	.85
127343	B-311⊕	9	BNC male/male coupler (UG-491B/U)	2.39	2.15	1.67
111561	200-148	10	BNC female isolated bulkhead	2.29	1.99	1.79
148224	200-165	11	BNC female bulkhead feed-thru	1.99	1.89	1.69
148232	B-332-IF⊕	11	BNC female isolated bulkhead feed-thru	2.49	2.25	1.79
127352	B-412	12	BNC M-F right angle (DG-306B/O)	3.15	2.92	2.12
160929	B211F-58	13	BNC female, crimp type (RG58)	1.50	1.31	1.19
161922	B211F-174	13	BNC female, crimp type (RG174)	1.79	1.62	1.43
174290	TBC-090	14	BNC female chassis mount	1.43	1.18	1.06
174255	TBC-176	15	BNC male to F connector female	2.35	1.86	1.70
146511	CH-7044S	16	BNC female R/A plastic insulation	1.95	1.75	1.49
161656	CH-7087D⊕	17	BNC female right-angle metal	2.45	2.11	1.90

SMB PCB Connector

- 0-4GHz electrical performance
- Contact: beryllium copper
- Gold plated brass
- Insulation: teflon



Part No.	Description	1	10	50
167312	Right angle PCB	$4.45	$3.89	$3.25

SMB Connectors

- For use with RG-174 coax
- 50Ω crimp type • Gold plated
- Use with crimping tool P/N 114535, pg 197



Part No.	Description	1	10	50
172371	Cable crimp plug⊕	$4.85	$4.33	$3.72
172372	Cable crimp plug	4.85	4.33	3.72

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we are unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

BNC Adapters

JAMECO ValuePro — EXCLUSIVE

- Silver-plated
- General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

Quantity SAVE

More ValuePro BNC Adapters online at www.Jameco.com


118594


72629


207087


100597


207116


117462


207168


114789


207175


114753


114770


207142


355128


363961


355152

Part No.	Cross Ref. No.	Description	1	10	100
118594	200-155	Male to female/female T-adapter	$2.87	$2.58	$2.10
72629	200-150	Female to female/female T-adapter	2.49	2.25	1.99
207087	BJ-7078	Female to male/female T-adapter	9.55	8.59	7.16
100597	40958-Y	Male to female/female T-adapter (180°)	5.99	5.39	4.85
207116	BJ-7082	Male to female/female/female T-adapter	7.19	6.45	5.79
117462	B-068 ♻	Male to female/female F-adapter (90°)	4.39	3.97	3.56
207168	BJ-7072 ♻	RCA female to BNC female	2.39	2.15	1.91
114789	BR312 ♻	RCA female to BNC male adapter	1.59	1.23	1.16
207175	BJ-7055 ⊕	RCA male to BNC male	2.29	1.79	1.64
114753	RB312 ⊕	RCA male to BNC female adapter	1.59	1.45	1.29
114770	200-108	BNC female to "F" connector male adapter	1.79	1.59	1.39
207142	BJ-7075 ♻	3.5mm mono male to BNC female	2.03	1.79	1.53
355128	31-208-RFX ♻	50Ω BNC T-adapter, jack-plug-jack (UG-274A/U)	3.05	2.73	2.31
363961	31-218 ⊕	50Ω BNC straight adapter, plug-plug (UG-491A/U)	7.69	5.49	4.12
355152	31-219-RFX ♻	50Ω BNC straight adapter, jack-jack (UG-914/U)	2.65	2.44	2.20


Fig. 1


Fig.2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16

BNC Connectors and Adapters 50Ω/75Ω

Amphenol Connex

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
295953	112116 ♻	1	A	50Ω straight crimp plug, captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	$1.55	$1.37	$1.25
295970	112119 ♻	1	A	75Ω straight crimp plug, captive contact	RG-59/62/140/210	1.59	1.52	1.46
296016	112133 ♻	1	B	75Ω straight crimp plug, captive contact	RG-179/187/B9221	1.40	1.34	1.28
296631	112161 ♻	2	B	75Ω straight crimp jack	RG-179/187/B9221	1.85	1.76	1.68
658371	112202 ♻	3	A	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.39	3.20	3.05
658401	112235 ♻	3	B	75Ω bulkhead crimp jack	RG-179/187/B9221	3.39	3.05	2.92
658478	112349 ♻	4	—	50Ω jack-to-jack bulkhead adapter, isolated	—	4.19	3.99	3.85
658427	112424 ♻	5	—	50Ω receptacle jack, solder terminal	All 50Ω coax cables	1.59	1.51	1.43
296067	112431 ♻	6	—	50Ω bulkhead rec. jack, isolated, solder term.	All 50Ω coax cables	2.99	2.89	2.72
658486	112443 ♻	7	—	50Ω jack-to-jack bulkhead adapter, isolated	All 50Ω coax cables	3.19	3.03	2.87
658507	112445 ♻	8	—	50Ω jack-to-jack adapter	All 50Ω coax cables	2.15	2.04	1.93
296083	112446 ♻	8	—	75Ω jack-to-jack adapter	All 75Ω coax cables	1.99	1.89	1.80
658515	112461 ♻	9	—	50Ω T-adapter, jack-plug-jack	All 50Ω coax cables	1.85	1.76	1.66
296091	112507 ♻	1	A	50Ω straight crimp plug	RG-59U 20AWG/B-91-8/B1515/B9104	1.49	1.47	1.33
295996	112512 ♻	1	B	50Ω straight crimp plug, captive contact	316/U double braided	2.05	2.01	1.47
296104	112514 ♻	1	A	50Ω straight crimp plug, captive contact	RG-55/142/223/400	1.49	1.45	1.39
296497	112526 ♻	10	A	50Ω BNC right angle crimp/solder plug	RG-55/142/223/400	4.35	4.19	3.94
296121	112565 ♻	1	—	75Ω BNC straight crimp plug, captive contact	RG-B1694A/B889248	1.55	1.48	1.40
295988	112597 ♻	11	—	50Ω BNC straight crimp plug, captive contact	RG-LMR200/B7807A	1.85	1.78	1.71
658540	202100 ♻	12	—	Male cap with chain	All BNC female connectors	1.89	1.80	1.78
658523	202103 ♻	13	—	50Ω terminator plug	All 50Ω coax cables	1.79	1.71	1.62
658531	202105 ♻	13	—	75Ω terminator plug	All 75Ω coax cables	2.15	2.06	1.97

MCX/MMCX Connectors 50Ω

Amphenol Connex

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
662522	252107 ♻	14	—	MCX straight solder plug, 0.085 semi-rigid	RG-405/U	$3.45	$3.30	$3.15
662531	252115 ♻	15	A	MCX right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	5.75	5.47	5.19
662514	252127 ♻	14	B	MCX straight crimp plug	RG-178/196	5.99	5.39	4.99
662549	252153 ♻	16	—	MCX straight plug, PCB	—	4.79	4.50	4.32

Universal Hand Crimp Tools

Amphenol Connex

Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.


667850

Part No.	Product No.	Crimp Tool	Die Cavities (in.)	Cable Groups	1	5
667850	47-10070	A	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (for BNC/TNC connectors)	$59.99	$57.99
667905	47-10150	B	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196 (for BNC/TNC connectors)	52.25	48.09
667913	47-10160	C	.151/.178/.213	.151 Hex 316/179/Double braid	57.05	56.05
667921	47-10180	J	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors (for BNC/TNC/N connectors)	45.65	42.75
667833	47-10000	—	—	Frame only	47.35	41.99

For more Amphenol Connex Connectors visit us online at www.Jameco.com

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Type N Connectors 50Ω

* Crimp tools for these connectors are on page 114

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296454	172100 R	1	J	Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	$3.99	$3.63	$3.43
296471	172102H243 R	1	—	Straight crimp plug captive contact	RG-B9913/LMR400/B7810A/B8214	4.45	4.19	3.97
659251	172117 R	2	—	Panel receptacle jack	—	4.25	4.00	3.75
659260	172118 R	3	—	Panel receptacle jack, solder terminal	—	6.09	5.88	5.27
659286	172122 R	4	—	Plug-to-plug adapter	All 50Ω coax cables	6.75	6.15	5.61
659294	172123 R	5	—	Jack-to-jack adapter	All 50Ω coax cables	4.45	4.10	3.90
659307	172124 R	6	—	Bulkhead jack-tojack adapter	—	6.05	5.80	5.54
659315	172126 R	7	—	Angled plug-to-jack adapter	—	7.69	7.45	7.26
659155	172139 R	1	—	Straight solder plug, 0.250 semi-rigid	0.250 semi-rigid	5.05	4.93	4.55
296577	172142 R	1	J	Straight crimp plug captive contact	RG-55/142/223/400	4.55	4.26	4.11
659243	172147 R	8	J	Straight crimp jack captive contact	RG-55/142/223/400	4.09	3.71	3.33
296585	172165 R	9	B	Bulkhead crimp jack captive contact	RG-316/U double braided	7.09	6.85	6.65
659121	172171 R	1	B/J	Straight crimp plug captive contact	RG-316/U double braided	6.19	5.58	4.96
659227	172175 R	10	J	Straight crimp panel jack captive contact	RG-55/142/223/400	7.99	7.25	6.52
296593	172178 R	11	A	Right angle crimp plug	RG-55/142/223/400	8.09	7.84	7.28
659323	202102 R	12	—	N male cap and chain, nickel plated	—	2.15	2.03	1.79


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

TNC Connectors 50Ω/75Ω

* Crimp tools for these connectors are on page 114

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
658671	122122 R	13	A	50Ω straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	$2.05	$1.79	$1.64
658697	122332 R✪	14	—	50Ω bulkhead receptacle jack, solder trmnls	—	1.65	1.59	1.49
296163	122372 R	15	A	50Ω straight crimp plug	RG-55/142/223/400	1.47	1.41	1.35
658689	122373 R	14	A	50Ω straight crimp jack	RG-55/142/223/400	1.65	1.46	1.31
296219	122426 R	15	A	75Ω straight crimp plug	RG-59/U 20 AWG./B9108/B1515/B9104	1.85	1.79	1.76

✪ Blue Part No. = Limited Quantity Available


Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

SMB Connectors 50Ω

* Crimp tools for these connectors are on page 114

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296411	142176 R	16	C	Right angle cable plug	RG-316U double braided	$5.15	$4.87	$4.63
296446	142194 R	16	B	Right angle cable plug	RG-174/188A/316/B7805A	5.05	4.68	4.29
659340	142220 R	17	A	Straight crimp plug	RG-55/142/223/400	5.19	4.71	4.23
296438	142255 R	17	A	Straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A	4.59	4.38	4.17


Fig. 16

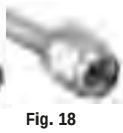
Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

SMA Connectors 50Ω

* Crimp tools for these connectors are on page 114

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	1	10	25
296227	132101 R	18	—	Straight cable plug w/ contact, 0.085 semi-rigid	RG-405U	$2.79	$2.34	$2.15
296235	132102 R	18	—	Straight cable plug w/ contact, 0.141 semi-rigid	RG-402U	2.79	2.65	2.52
658726	132108 R	19	—	Panel mount cable jack, 4-hole square flange, 0.141 semi-rigid	RG-402U/.141 semi-rigid	6.19	5.39	4.60
658734	132110 R	20	—	Panel mount cable jack, 2-hole flange, 0.141 semi-rigid	RG-402U/.141 semi-rigid	5.79	5.33	4.89
296331	132119 R	21	B	Bulkhead crimp jack	RG-174/188A/316/B7805A	5.29	4.53	4.15
296374	132134 R	22	—	Straight jack, PCB terminals	All 50Ω coax cables	3.89	3.69	3.57
659016	132137 R	23	—	Bulkhead jack receptacle, solder terminal	—	4.79	4.61	4.40
296382	132146 R	19	—	Panel mnt jack receptacle, 4-hole sq. flange	—	6.49	6.36	5.93
659024	132147 R	24	—	Panel mount jack receptacle, 2-hole flange	—	6.09	5.80	5.51
659032	132168 R	25	—	Plug-to-plug adapter	All 50Ω coax cables	4.59	4.38	4.17
659041	132169 R	26	—	Jack-to-jack adapter	All 50Ω coax cables	4.05	3.85	3.68
659059	132170 R	27	—	Jack-to-jack adapter, bulkhead feedthrough	—	6.19	5.89	5.56
659067	132171 R	28	—	Plug-to-jack adapter	All 50Ω coax cables	4.85	4.64	4.41
659075	132172 R	29	—	Right angle plug-to-jack adapter	All 50Ω coax cables	6.79	6.25	5.79
296391	132178 R	30	C	Straight crimp plug	RG-316U double braided	3.35	3.19	3.05
658822	132182 R	31	C	Right angle crimp plug	RG-316U double braided	6.09	5.53	4.97
658857	132191 R	21	A	Bulkhead crimp jack	RG-55/142/223/400	4.49	4.38	4.19
658777	132193 R	30	B	Right angle crimp plug	RG-178/196	4.99	4.79	4.49
658793	132194 R	32	A	Right angle crimp plug	RG-55/142/223/400	6.05	5.50	4.95
658961	132198 R	33	C	Straight crimp jack	RG-316U double braided	4.19	4.05	3.87
658806	132235 R	32	A	Right angle crimp plug	LMR200/B7807A	5.69	4.86	4.46
658814	132239 R	32	A	Right angle crimp plug	LMR200/B7807A	7.65	7.39	6.99
658865	132241 R	21	A	Bulkhead crimp jack	RG-8X/LMR240/B7808A	4.55	3.89	3.55
658769	132298 R	32	—	Right angle crimp plug	B9913/LMR400/B7810A/B8214	6.35	6.07	5.83
659091	132360 R	—	—	Terminator plug	—	2.45	2.23	2.00
659104	132361 R	—	—	Terminator jack	—	2.39	2.30	2.20
659083	202112 R	34	—	Male cap	—	1.49	1.42	1.35


Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

Fig. 27

Fig. 28

Fig. 29

Fig. 30

Fig. 31

Fig. 32

Fig. 33

Fig. 34

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

75Ω "F" Connectors, Adapters and Terminators



Part No.	Cross Ref. No.	Description	1	10	50	100
291531	200-028	Perma-seal, RG-6 coax	$.69	$.59	$.55	$.49
309657	200-045	RCA female to F male adapter	1.75	1.35	.97	.87
291725	200-051	F-jack to jack (gold)	1.14	1.02	.95	.90
295371	200-053	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295398	200-103	F-jack to push-on plug (nickel)	.85	.69	.63	.523
295380	200-107	F-right angle jack to plug (nickel)	2.09	1.78	1.52	1.23

SMA Connectors, Couplers and Adapters



- Application: cellular phone, data communication, instrumentation and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Plating: gold and nickel
- Temperature range: -65˚C to 165˚C



Connectors

Part No.	Cross Ref. No.	Description	Cable Type	Plated	1	10	50
157972	19-03F-4TGG	SMA 50Ω crimp type **M** plug connector	RG-58	Gold	$4.55	$4.04	$3.64
153365	4804	SMA 50Ω crimp type **M** plug connector	RG-174	Gold	4.39	3.95	3.55
145382	19-46G	SMA straight **F** PCB mount connector, 4 legs	—	Gold	5.25	4.75	4.25
153286	SMA-7813	SMA bulkhead solder **F** w/ washer, rear mount	RG-58/174	Gold	3.49	3.29	2.99
159531	CH-7814	SMA **F** panel mount conn., 4 mounting holes*	RG-58/174	Gold	2.95	2.65	2.35
160022	CH-7815-G	SMA **F** panel mount conn., 2 mounting holes*	RG-58/174	Gold	4.79	4.31	3.90
160013	CH-7818-N	Panel mount feed thru connector **F – F**	—	Nickel	4.99	4.49	3.99
355283	901-143-6RFX	50Ω SMA jack, right angle, PC mount	—	Gold	4.55	3.63	3.55
355304	901-9877-RFX	50Ω SMA plug, crimp (RG-174/U; RG-188A/U; RG-316/U cables)		Gold	2.55	2.21	1.80

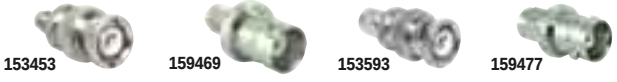
*159531/160022: Solder cup

Couplers



Part No.	Cross Ref. No.	Description	Plated	1	10	50	100
153294	SMA-7817	SMA straight coupler female – jack-to-jack	Gold	$3.85	$3.39	$2.19	$1.79
161294	S-311-G	SMA straight coupler male – male	Gold	4.25	3.82	3.42	3.19
161307	S-412-G	SMA right angle coupler male – female	Gold	5.99	5.39	4.79	4.38

SMA to BNC Adapters



Part No.	Cross Ref. No.	Description	Plated	1	10	50	100
153453	SB-321	SMA female to BNC male adapter	Nickel	$2.59	$2.29	$2.09	$1.89
159469	CH-7830-N	SMA female to BNC female adapter	Nickel	3.09	2.82	2.52	2.29
153593	4288	SMA male to BNC male adapter	Nickel	4.55	4.09	3.65	3.29
159477	CH-7820-N	SMA male to BNC female adapter	Nickel	2.99	2.69	2.45	2.19

SMA/SMB 50Ω Coax Cables

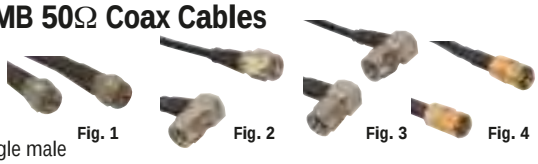


Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370	RG-58	1	2	$5.39	$4.58	$3.44
159397	RG-58	1	6	6.59	5.87	5.03
169801	RG-174	1	0.5	5.59	4.99	4.55
163855	RG-174	1	1	4.65	4.07	3.50
153382	RG-174	1	2	4.95	4.29	3.39
153391	RG-174	1	4	5.89	5.08	4.59

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159451	RG-174	1	6	$7.95	$7.20	$6.49
175127	RG-174	2	0.5	4.49	3.95	3.49
175135	RG-174	2	1	4.95	4.25	3.75
175143	RG-174	3	0.5	6.15	5.62	4.80
175152	RG-174	3	1	6.25	5.75	4.75
175178	RG-174	4	1	5.29	4.79	3.95

BNC Male Coax Cables



RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	$3.95	$3.55	$3.19

RG58/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RR	1	$3.65	$3.29	$2.95
102315	CRG58-1	1.5	3.99	3.39	2.87
256743	CBB-224-24	2	4.98	4.43	3.99
11404	CRG58-3	3	4.75	4.32	3.87
102331	CRG58-6	6	4.39	3.99	3.59
180822	CRG58-10	10	5.85	5.19	4.16
102350	CRG58-12	12	4.95	4.49	3.99
169818	CRG58-15	15	7.15	6.44	5.60
102357	CRG58-25	25	7.79	7.01	6.32
102381	CRG58-100	100	16.19	14.57	11.66
Other Manufacturers					
102365	CRG58-50	50	$13.29	$11.19	$10.15

RG59/U 75Ω Cables

- For CATV and video patch cords



Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86471	CRG59-1	1.5	$3.95	$3.61	$3.38
85543	CRG59-6	6	5.89	5.31	4.77
102373	CRG59-12	12	5.99	5.40	4.85
262730	EBC-525	25	9.95	8.96	7.17
262748	EBC-550	50	17.05	16.25	15.45
262764	EBC-510	100	30.39	27.35	21.88

RG174/U 50Ω Cables

Blue Part No. = Limited Quantity

- For Ethernet networks, oscilloscopes

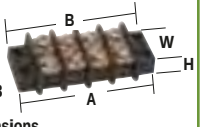
Part No.	Cross Ref. No.	Length (ft.)	1	10	50
111473	RG174U3	3	$5.45	$4.93	$4.45
111481	RG174U6	6	5.95	5.59	5.35

Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- 12-18 AWG
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



Part Number	Cross Ref. No.	Poles	Dimensions A"	Dimensions B"	1	10	50
208873	GGE-10-8P	8	95	102.5	$1.69	$1.59	$1.49
208882	GGE-10-12P	12	123.5	131	2.79	2.49	2.25

20A @ 600V



- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm

Part Number	Cross Ref. No.	Poles	Dimensions A"	Dimensions B"	1	10	50
207547	GGE-20-6P	6	76.3	85.3	$1.99	$1.79	$1.59
207563	GGE-20-10P	10	119.9	128.9	3.29	2.99	2.69
207572	GGE-20-12P	12	141.7	150.7	3.59	3.19	2.79

RoHS compliant product | This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Cinch Double Row Barrier Blocks


231378

- Voltage rating: 250VAC$_{RMS}$ max.
- Eyelet material: brass with nickel plating
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel w/ nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating

140 Series 15A

For more Cinch Barrier Blocks visit www.Jameco.com

- 3750-watts/terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: 0.375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973	2-140♻	2	1.41"	$.99	$.89	$.74
230981	3-140♻	3	1.78"	1.33	1.19	1.10
230990	4-140♻	4	2.16"	1.45	1.29	1.05
231010	6-140♻	6	2.91"	1.99	1.79	1.48
231028	7-140♻	7	3.28"	2.19	1.95	1.59
231036	8-140♻	8	3.66"	2.49	2.24	1.83
231052	10-140♻	10	4.41"	3.35	2.91	2.64
231061	12-140♻	12	5.16"	4.15	3.28	2.97
1775983	14-140♠	14	5.91"	5.09	4.56	4.03

141 Series 20A

- 5000-watts/terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231378	4-141♻	4	2.50"	$1.79	$1.59	$1.25
231394	6-141♻	6	3.38"	2.34	2.01	1.71
231415	8-141♻	8	4.25"	2.89	2.34	2.27
231431	10-141♻	10	5.13"	3.35	2.70	2.62
231440	12-141♻	12	6.00"	3.59	3.29	2.46

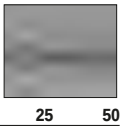
142 Series 30A

- 7500-watts/terminal max.
- 10 AWG wire max. • Size: 1.312"W x 0.625"H
- Screw: 8-32 x 5/16" • Density: 0.563"

Part No.	Prod. No.	Pos.	Length	1	10	100
440891	8-142	8	5.468"	$5.55	$5.32	$4.73
Double Row, Y-terminals						
1775991	5-142-Y♠	5	3.781"	$3.99	$3.59	$2.86

Cinch Terminal Block Jumpers

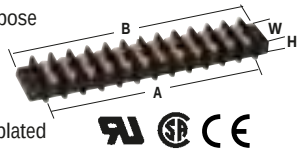
For connecting between adjacent terminals or alternate terminals.



- 2-position
- Brass with nickel plating

Part No.	Product No.	1	25	50
448500	141J (141 series)	$.28	$.248	$.238
448518	95B (142 series)	.85	.79	.73

KULKA® 601 GP Series Double Row Terminal Block



- Base: general purpose phenolic; 150˚C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated
- Width (W): 1.12"
- .437" (11mm) centers • Height (H): .50"
- 1100V$_{RMS}$; 20A ratings; for 14-16 AWG wires
- Open block design • UL/CSA/CE approved

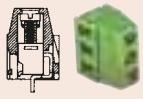
✪ Blue Part No. = Limited Quantity Available

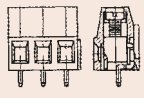
Part No.	Prod. No.	Poles	Dimensions A"	Dimensions B"	1	10	50
188701	601GP12♻✪	12	5.69	6.00	$6.29	$5.77	$4.47

Terminal Blocks and Header

For more Dinkle & OST Terminal Blocks visit www.Jameco.com

- For detailed specifications, please see our website at **www.Jameco.com**
- **164814**: Male header (.197") for use with 164794 and 164806


Fig. 1 (99398)


Fig.2 (160785)



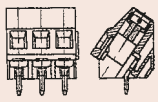

Fig. 3 (161067)




Fig. 4 (189676)


Fig. 5 (164794)

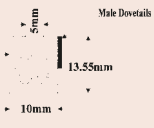



Fig. 6 (164806)


Fig. 7 (249084)



Fig. 8 (152347)


Fig. 9 (164814) use w/ Fig. 5 & 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99427	Dinkle	DT128/2♻	1	2	0.197"/5mm	$.80	$.61	$.49	$.44
99398	Dinkle	DT128V3P♻	1	3	0.197"/5mm	.99	.89	.79	.59
160785	Dinkle	EK500V-02P♻	2	2	0.197"/5mm	.65	.55	.45	.39
160793	Dinkle	EK500V-03P♻	2	3	0.197"/5mm	.99	.91	.80	.74
161067	Dinkle	EK500A-02P♻	3	2	0.197"/5mm	.85	.74	.55	.44
161059	Dinkle	EK500A-03P♻	3	3	0.197"/5mm	1.14	1.02	.87	.82
189676	OST	EDC500/2DS♻	4	2	0.197"/5mm	.79	.71	.64	.58
189668	OST	EDC500/3DS♻	4	3	0.197"/5mm	.89	.80	.72	.61
164794	OST	EDC130/2DS♻	5	2	0.197"/5mm	.59	.53	.47	.42
164806	OST	EDC130/3DS	6	3	0.197"/5mm	.99	.90	.81	.61
249084	OST	EDZ750/3	7	3	0.200"/5.08mm	2.09	1.91	1.69	1.59
152347	OST	EDC120/2DS♻	8	2	0.200"/5.08mm	.65	.55	.45	.39
152355	OST	EDC120/3DS♻	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814	OST	EDSTL130/24	9	24	0.197"/5mm	2.63	2.37	2.16	1.64

European Terminal Blocks

Jameco ValuePro — Jameco Exclusive


215011

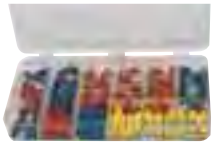
- Number of poles: 12
- 1.2mm raised base
- Voltage: 600V
- Working temp.: 230˚F (110˚C)
- Terminal insert: brass metal alloy, nickel plated
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Wire protector: stainless steel spring
- Screws: zinc plated, yellow chromed

Part No.	Cross Ref.	Amps	AWG	1	10	100
215011	PA8H♻	20A	12-22	$1.79	$1.59	$1.29
215029	PA10H♻	30A	10-22	2.45	2.19	1.81
215037	PA12H♻	35A	10-22	2.85	2.50	2.17

171-Pc. Solderless Terminal Kit

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	–
15	Ring term.	16-14	#6	10	Butt conn.	16-14	–
10	Ring term.	16-14	#8	5	Butt conn.	12-10	–

170 Terminals and Connectors!



- Clear, hinged plastic box
- Use crimping tool P/N 72996, right

Part No.	Description	1	10	25
10990	Terminal kit ♻	$8.95	$7.95	$7.25

Telecom Splice Connectors


169747


169755

- Provides clean, solid, and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes

169755: Y-type

- **Minimum order 10 pieces**

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169747	Yellow♻	22–26	2	$.124	$.112	$.103
169755	Red♻	19–26	3Y	.165	.157	.137

Wire Connectors


182449

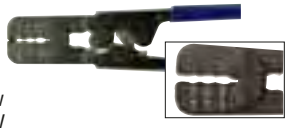

140717

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Twist on type • Strip wire before application
- **182449:** nylon 66, 94-2 UL/CSA approved
- **140717:** PE - metal inside
- **Minimum order 10 pieces**

Part No.	Description	10	100	1000
182449	Crimp 16-14 AWG⊕*	$.075	$.069	$.051
140717	Wire IDC 22-18 AWG♻	.15	.14	.10

* Requires crimping tool (P/N 72996, below)

Solderless Terminal Crimping Tool



- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow
- Size: 9.0"L x 2.0"W

Part No.	Product. No.	1	10	25
72996	HT303♻	$22.19	$18.85	$14.13

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New | Sale | Lower$ | QtySave

AMP P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with a copper sleeve fitted over the terminal barrel to provide maximum insulation support.



- Temperature rating: 105˚C
- Funnel ramp entry
- Meets MIL-T-7928

Ring Tongue Terminals

✳ Minimum order 10 pieces

Part No.	Product No.	Stud Size	Wire (AWG)	Color	1	10	100
302666	36152	#6	22-16	Red	$.24	$.174	$.16
302674	31890	#8	22-16	Red	.21	.159	.141
527275	36153	#10	22-16	Red	.20	.118	.108
302738	320565	#8	16-14	Blue	.23	.167	.153
302818	35110	1/4"	12-10	Yellow	.40	.39	.26
841942	31886 ♠	#8	22-16	Red	✳	.155	.147
841977	31887 ♠	#10	22-16	Red	✳	.174	.162
847092	35107 ♠	#6	12-10	Yellow	✳	.18	.162
847341	35273 ♠	1/4"	12-10	Yellow	.66	.426	.406
847527	36150 ♠	#6	22-16	Red	✳	.138	.123
847543	36151 ♠	#6	22-16	Red	✳	.107	.095
847560	36158 ♠	#6	16-14	Blue	✳	.156	.135
850443	51864 ♠	#6	16-14	Blue	✳	.135	.124
842056	320553 ♠	#4	22-16	Red	✳	.135	.124
842081	320554 ♠	#8	22-16	Red	✳	.156	.135
842179	320563 ♠	1/4"	16-14	Blue	✳	.156	.145
842224	320567 ♠	#6	12-10	Yellow	.65	.40	.381
842259	320569 ♠	1/4"	12-10	Yellow	✳	.199	.188
842283	320571 ♠	1/4"	22-16	Red	✳	.155	.144
842304	320573 ♠	3/8"	22-16	Red	✳	.176	.17
842339	320574 ♠	#10	16-14	Blue	✳	.135	.119
842398	320577 ♠	3/8"	12-10	Yellow	✳	.199	.188
842427	320634 ♠	#6	12-10	Yellow	✳	.197	.184
843008	324159 ♠	#4	16-14	Blue	✳	.182	.157
843091	324918 ♠	#10	12-10	Yellow	✳	.246	.231
843139	326875 ♠	#6	26-22	Yellow	✳	.138	.123
843198	326882 ♠	#6	16-14	Blue	✳	.156	.135
851112	53407-1♠	#6	22-16	Natural	✳	.45	.404
851171	53418-1♠	#10	16-14	Natural	✳	.459	.40


Fig. 1


Fig. 2


Fig. 3


Fig. 4

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851	328394	1	#2	22-16	Red	$.21	$.208	$.185
302869	327717	1	#4	22-16	Red	.31	.299	.266
302877	34541	1	#6	22-16	Red	.24	.173	.158
302885	32053	1	#8	22-16	Red	.29	.257	.232
302906	35559	1	#6	16-14	Blue	.26	.25	.194
302914	32059	1	#8	16-14	Blue	.27	.22	.18

Short Spring Spade Tongue Terminals

✳ Minimum order 10 pieces

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
850865	52924 ♠	2	#6	22-16	Yellow	✳	$.288	$.269

Butt & Knife Disconnect Splices

Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	10	100
303175	320559	3	Butt	22-16	Red	$.41	$.396	$.382
303183	320562	4	Butt	16-14	Blue	.45	.43	.41

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303255	640917-1	4	.187 x .020	22-18	Red	$.22	$.178	$.173
303280	640903-1	4	.250 x .032	22-18	Red	.22	.16	.13
303327	640905-1	4	.250 x .032	16-14	Blue	.23	.183	.181
303343	640907-1	4	.250 x .032	12-10	Yellow	.29	.273	.191

For more AMP Insulated Terminals visit us online at www.Jameco.com

AMP Fast-On Insulated Terminals

- One-piece fully insulated fast-on receptacle/tab with insulation crimp prevents shock and short hazards
- Designed for full mating with a variety of tabs and receptacles including those with shoulders
- Funnel wire entry and wire stop

Lower $$$


841432


848642

Ultra-Fast Fully Insulated Receptacle Assembly (0.187")

Part No.	Product No.	Width	AWG	Color	Terminal	1	10
837118	2-520409-2 ♠	0.300"	22-18	Red	Brass, tin-plated	$.194	$.186
837134	2-520411-2 ♠	0.300"	22-18	Red	Brass, tin-plated	.175	.162
841432	3-520151-2 ♠	0.300"	16-14	Blue	Brass, tin-plated	.155	.147

Ultra-Fast Fully Insulated Receptacle Assembly (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	1	10
836959	2-520184-4 ♠	0.373"	22-18	Red	Bronze, tin-plated	$.213	$.206

Ultra-Fast Fully Insulated Flag Receptacle Assembly (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	1	10
836924	2-520129-2 ♠	0.373"	22-18	Red	Brass, tin-plated	$.223	$.206
841408	3-520133-2 ♠	0.373"	16-14	Blue	Brass, tin-plated	.233	.206

Fast-On Fully Insulated Receptacle Assembly

Part No.	Product No.	Width	AWG	Color	Terminal	1	10
848642	41729 ♠	0.373"	18-16	–	Brass, tin-plated (0.250")	$.107	$.098

AMP Fast-On PCB Tab

- Stock thickness: 0.032"
- Tin plated brass
- Minimum order 10 pieces
- Board hole size: 0.055" dia.



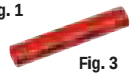
Part No.	Product No.	Description	10	100	500
853927	63824-1	0.250" tab (PCB)	$.085	$.054	$.049

AMP Plastic-Grip Insulated Terminals

Designed specifically to answer the need for inexpensive insulated electrical terminations. The wire and the terminal barrel form a homogeneous mass of metal, providing a connection of maximum conductivity, tensile strength and high resistance to corrosion.


Fig. 1


Fig. 2


Fig. 3

Ring Tongue Terminals (Fig. 1)

✳ Minimum order 5 pieces

Part No.	Product No.	Stud Size	AWG	Color	1	5	50
844684	34141 ♠	#4	22-16	Red	✳	$.16	$.15
844748	34144 ♠	#6	22-16	Red	✳	.155	.147
844772	34145 ♠	#8	22-16	Red	✳	.118	.11
844828	34148 ♠	#8	22-16	Red	✳	.107	.098
844852	34149 ♠	#10	22-16	Red	✳	.145	.137
844991	34161 ♠	#10	16-14	Blue	✳	.151	.144
845142	34852 ♠	#8	12-10	Yellow	✳	.27	.255
845177	34853 ♠	#8	12-10	Yellow	✳	.281	.255
845206	34854 ♠	#10	12-10	Yellow	✳	.27	.255

Short Spring Spade (Fig. 2)

Part No.	Product No.	Stud Size	AWG	Color	1	10	100
850929	5294-9	#6	22-16	Red	$.21	$.175	$.167

Butt Splices (Fig. 3)

✳ Minimum order 10 pieces

Part No.	Product No.	AWG	Dimensions	1	10	100
844060	34067 ♠	22-16	1.065"L, 0.08-0.12" ID	✳	$.30	$.269
844107	34070	22-16	1.076"L, 0.105-0.140" ID	✳	.135	.118
844140	34071	16-14	1.065"L, 0.115-0.170" ID	✳	.116	.108



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More Solderless Terminals available on our website. Visit us online today!

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

AMP Solistrand Uninsulated Terminals

Designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these – still retaining the superior performance and characteristics of single purpose terminals and splices. Corrosion resistant, vibration resistant and tensile strength of these terminals and splices are well within the limits of commercial military applications.


Fig. 1


Fig. 2


Fig. 3

Ring Tongue Terminals (Fig. 1)

✳ Minimum order 5 pieces

Part No.	Product No.	Stud Size	Wire (AWG)	1	5	100
844220	34104 ♻ ♠	#4	22-16	✳	$.107	$.088
844289	34107 ♻	#6	22-16	✳	.151	.134
844318	34108 ♻	#8	22-16	✳	.107	.088
844377	34111 ♻ ♠	#8	22-16	✳	.107	.098
844406	34112 ♻ ♠	#10	22-16	✳	.155	.138
844342	34109 ♻ ♠	#10	22-16	✳	.097	.088
844422	34113 ♻ ♠	1/4"	22-16	✳	.126	.108
844457	34115 ♻ ♠	3/8"	22-16	✳	.136	.127
843462	32994 ♻ ♠	#8	12-10	✳	.291	.265
843665	33457 ♻ ♠	#10	12-10	✳	.136	.127
843690	33458 ♻ ♠	1/4"	12-10	✳	.34	.304
843631	33220 ♻ ♠	3/8"	12-10	✳	.349	.314
843737	33459 ♻	5/16"	12-10	✳	.349	.314
844570	34124 ♻ ♠	1/4"	16-14	✳	.116	.108
844254	34105 ♻ ♠	#6	8	✳	.107	.088
841862	31807 ♻ ♠	#10	8	.78	.75	.71
843788	33461 ♻ ♠	1/4"	8	✳	.252	.245
847316	35247 ♻ ♠	1/4"	8	✳	.378	.357
843841	33463 ♻ ♠	3/8"	8	.50	.456	.421
843876	33464 ♻ ♠	#10	6	.89	.81	.72
842486	321298 ♻ ♠	#10	6	✳	.353	.349
843905	33465 ♻ ♠	1/4"	6	✳	.301	.284
843956	33467 ♻ ♠	3/8"	6	✳	.407	.378
843921	33466 ♻ ♠	5/16"	6	✳	.378	.363
843606	33114 ♻ ♠	#10	4	.79	.68	.64
751314	31811 ♻ ♠	1/4"	4	.78	.51	.48
843981	33469 ♻ ♠	1/4"	4	1.15	1.09	.97
844043	33471 ♻ ♠	3/8"	4	.67	.62	.58
844019	33470 ♻ ♠	5/16"	4	.63	.57	.53
842021	320383 ♻ ♠	1/4"	2	1.06	.98	.89
842558	321600 ♻ ♠	3/8"	2	1.08	.99	.90
842662	321871 ♻ ♠	3/8"	2	3.18	2.97	2.78
842890	322870 ♻ ♠	5/16"	2	.93	.85	.80
842574	321866 ♻ ♠	1/4"	1	2.58	2.35	2.20
847631	36919 ♻ ♠	1/2"	1	2.58	2.35	2.20

Spade Tongue Terminal (Fig. 2)

✳ Minimum order 10 pieces

Part No.	Product No.	Stud Size	Wire (AWG)	1	10	100
842929	323127 ♻	#6	22-16	✳	$.107	$.089

Butt Splices (Fig. 3)

✳ Minimum order 5 pieces

Part No.	Product No.	Wire (AWG)	Size	1	5	100
841889	31818 ♻ ♠	22-16	0.578"L x 0.141"Dia., 0.061" ID	✳	$.298	$.241
841918	31819 ♻ ♠	16-14	0.567"L x 0.165"Dia., 0.085" ID	✳	.126	.118
842515	32151 ♻ ♠	12-10	0.565"L x 0.165"Dia., 0.129" ID	✳	.155	.147
844609	34130 ♻	22-16	0.301"L x 0.141"Dia., 0.061" ID	✳	.108	.098
844633	34137 ♻	16-14	0.301"L x 0.165"Dia., 0.085" ID	✳	.09	.088
844668	34138 ♻ ♠	12-10	0.343"L x 0.226"Dia., 0.129" ID	✳	.101	.094
845126	34320 ♻ ♠	4	0.531"L x 0.463"Dia., 0.296" ID	.73	.70	.62
752237	36946 ♻ ♠	1	0.734"L x 0.613"Dia., 0.440" ID	1.85	1.73	1.54

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

AMP Strato-Therm/Diamond Grip Terminal



These insulated terminals are high-temperature circuit hardware. You'll find solutions to other more familiar circuit problems such as vibration, corrosion and flash-over, when they occur at high temperatures. Available in temperature ranges of up to 1200˚F (649˚C). Accomodates solid or stranded conductors.

Insulated Ring Tongue Terminal

Part No.	Product No.	Stud Size	Wire (AWG)	Color	1	10	100
842831	322338 ♠	#10	16-14	Orange	$2.29	$2.19	$1.89

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72996, pg 117
- *Sold in increments of 10*


103684


103588


103668


109112

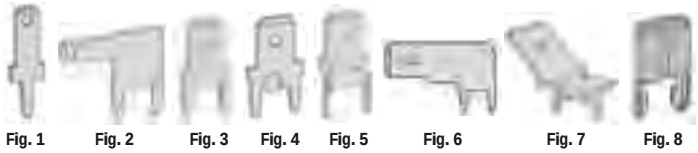
Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103684	Ring solderless ♻	#6	22-16	Red	$.11	$.07	$.05
103588	Spade solderless ♻	#6	22-16	Red	.14	.078	.065
103596	Spade solderless ♻	#8	16-14	Blue	.132	.075	.066

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106922	Female ♻	.187"	22-16	Red	$.12	$.07	$.05
103668	Female ♻	.25"	22-16	Red	.12	.07	.05
109112	Female w/ hood ♻	.25"	22-16	Red	.204	.132	.066

KEYSTONE Terminals


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8

PC Quick-Fit, Male

• Material: brass, tin plated • Minimum order 10 pieces

Part No.	Product No.	Fig.	Thick	Description	10	50
1581679	1211 ♻	1	32µ"	.110" straight solder	$.091	$.078
1581716	1267 ♻	1	20µ"	.110" straight solder	.036	.034
1581935	4906 ♻	2	32µ"	.110" right angle solder	.173	.156
1581687	1212 ♻	3	32µ"	.187" straight solder	.062	.058
1581724	1285 ♻	3	20µ"	.187" straight solder	.036	.034
1582372	1285-ST ♻	4	20µ"	.187" straight solder	.085	.051
1581919	4900 ♻	5	20µ"	.187" straight solder	.111	.10
1581927	4904 ♻	2	20µ"	.187" right angle solder	.084	.079
1581708	1266 ♻	6	32µ"	.250" right angle solder	.11	.10
1581732	1287 ♻	3	32µ"	.250" straight solder	.038	.036
1582381	1287-ST ♻	4	32µ"	.250" straight solder	.098	.081
1581741	1289 ♻	3	32µ"	.250" straight solder	.099	.089
1581943	4908 ♻	7	32µ"	.250" 30˚ solder	.22	.20
1581978	4966 ♻	2	32µ"	.250" right angle solder	.089	.083

PC Quick-Fit, Female

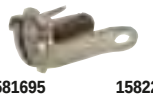
• Material: 16µ" brass, tin nickel plated • Accepts: .250" x 32µ" male tab

Part No.	Product No.	Fig.	Thick	Description	1	10	100
1581847	3528 ♻	8	16µ"	.250" vertical solder	$.20	$.12	$.098

Screw Terminals

Lower $$$

- Material: brass, tin plated
- Screw: 6 -32 x .250", brass, nickel plated
- Accepts: 14-20 AWG wire • Rated 15A


1581695

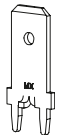

1582292

Part No.	Product No.	Thick	Description	1	10	100
1581695	1248 ♻	—	PC Mt, off-set solder, captivated	$.31	$.28	$.21
1582241	7690 ♻	32µ"	Snap-in, horizontal, unassembled	.32	.285	.227
1582250	7693 ♻	32µ"	Snap-in, vertical, captivated	.35	.321	.257
1582268	8189 ♻	32µ"	PC Mt, 45˚, unassembled	.59	.49	.45
1582276	8190 ♻	32µ"	PC Mt, horizontal, unassembled	.29	.26	.20
1582284	8191 ♻	32µ"	PC Mt, vertical, unassembled	.20	.185	.158
1582292	9189 ♻	32µ"	Snap-in, vertical, unassembled	.51	.46	.42

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Quick Disconnect PCB Mount Terminal



- Tab thickness: 0.032"
- Material: brass, tin plating
- With tab support

NEW

Part No.	Product No.	Height	Tab Width (in.)	10	100	500
795464	19705-4101	0.560"	0.187	$.10	$.09	$.08

Insulkrimp® Solderless Terminals





- Designed for dense packaging requirements; the profile height is lower than other competing products on the market
- Translucent "see-through" insulator provides fast, on-line quality control inspection by allowing a quick visual check of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires

Female Quick Disconnect

Prepackaged: please order in increments of 10

- Material: brass
- PVC insulation

Part No.	Product No.	AWG/Color	Tab Size (in.)	10	100	500
489643	19003-0017-C	18-22/Red	0.187 x 0.032	$.132	$.126	$.104

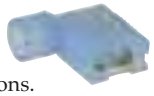
Ring Tongue

- Material: copper
- PVC insulation

Part No.	Product No.	AWG/Color	Stud Size	Width (in.)	10	100	500
490741	19070-0075-C	14-16/Blue	1/4	1.062	$.178	$.138	$.128

Avikrimp® Solderless Terminals

The Avikrimp® version of the fully insulated quick disconnects gives you the extra advantage of the secure metal support sleeve. These parts fulfill the double crimp (support) requirements of VDE and other DIN specifications.



Male Quick Disconnect

Part No.	Product No.	AWG/Color	Length	Tab Size (in.)	1	10	100
743111	19001-0001	18-22/Red	0.960"	.250 x 0.032	$.53	$.48	$.38

Fully Insulated Flag Quick Disconnects

Prepackaged: please order in increments of 10

Part No.	Product No.	AWG/Color	Width	Tab Size (in.)	10	100	500
489871	19007-0021-C	14-16/Blue	0.390"	.250 x 0.032	$.127	$.121	$.115
489897	19007-0040-C	10-12/Yellow	0.390"	.250 x 0.032	.266	.247	.228

Versakrimp™ Solderless Terminals

When the butted seam Krimptite barrel is bonded with a special brazing alloy, it becomes a Versakrimp barrel. These brazed-seam barrel terminals and splices will not open under conditions of stress or wire pull. As versatile as it is tough, it can be crimped under most adverse conditions by many types of tooling. The Versakrimp is ideal for hard-to-crimp solid and stranded wires.



Ring Tongue

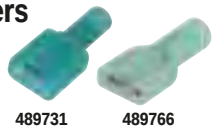
Prepackaged: please order in increments of 10

- Material: copper

Part No.	Product No.	AWG	Stud Size	Width (in.)	10	100	500
795034	19193-0016	18-22	10	1.062	$.157	$.127	$.118

Fully Insulated Couplers

These fully insulated nylon couplers are precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.



Prepackaged: please order in increments of 10

Part No.	Product No.	AWG/Color	Tab Size (in.)	10	100	500
489731	19004-0005-C	14-16/Blue	0.250 x 0.032 male	$.20	$.16	$.15
489766	19005-0005-C	14-16/Blue	0.250 x 0.032 female	.142	.102	.092

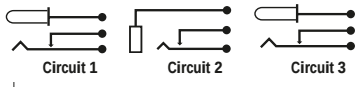
For more Molex Terminals and Couplers visit us online at www.Jameco.com

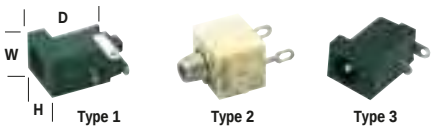
Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F







Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing 1	10	100	1000
1.3 mm Male Jacks									
101195	PP024	6.0 x 6.0 x 9.0	6/D	1/B	1.3 mm F	$.62	$.48	$.44	$.36
2.1 mm Male Jacks									
101179	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm F	$.49	$.44	$.39	$.35
137673	PP013	10.9 x 9.0 x 14.5	3/D	3/A	2.1 mm F	.40	.36	.32	.29
151590	DPJ-02IA	13.0 x 12.6 Dia.	5/C	1/A	2.1 mm F	1.19	.99	.79	.69
151555	DPJ-026	15.1 x 8.0 Dia.	4/E	1/A	2.1 mm F	1.59	1.29	1.09	.89
159611	PJ1014A	35.8 x 12.6 Dia.	8/F	3/A	2.1 mm F	1.79	1.50	1.31	1.07
2.5 mm Male Jacks									
207714	HEC0470 ⊕	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm F	$.54	$.42	$.336	$.252
101187	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm F	.59	.53	.42	.32
151563	DPJ-026A	15.1 x 8.0 Dia.	4/E	1/A	2.5 mm F	1.49	1.24	1.13	.99
159506	PJ1015A	35.8 x 12.6 Dia.	8/F	3/A	2.5 mm F	1.67	1.50	1.36	1.22
202358	HD2388 ⊕	17.0 x 12.0 Dia.	5/C	3/A	2.5 mm F	1.09	.98	.88	.79
3.5 mm Female Jacks									
109496	PJ035PM	10.5 x 9.0 x 8.8	2/C	2/A	3.5 mm M	$.53	$.472	$.425	$.378
165730	PJ0354	8.9 x 5.7 Dia.	7/C	3/A	3.5 mm M	.79	.67	.56	.45

Male & Female Power Plugs

JAMECO ValuePro

Quantity SAVE

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 167-170
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280, pg 84, to make custom length power cables







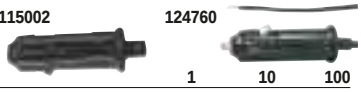




Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S x L x ID (strain relief)	Type	Pricing 1	10	100	1000
Female Plugs								
71192	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (blk)	1/A	$.95	$.86	$.78	$.71
191484	PP049W ⊕	2.1 x 5.5	9.6 x 43.9 x 4.5 (wht)	1/A	.69	.62	.56	.42
28760	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (blk)	1/A	.71	.59	.468	.348
147329	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (blk)	1/A	1.09	.97	.88	.79
138587	PJ021R ⊕	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (blk)	1/B	.89	.75	.65	.59
190538	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (blk)	1/A	.39	.32	.29	.248
28768	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (blk)	1/A	.89	.74	.59	.497
147336	PP109L ⊕	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (blk)	1/A	.90	.82	.65	.492
168242	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (blk)	1/C	.65	.536	.471	.383
Male Plugs								
101135	PJ1025 ⊕	2.5 (P201)	11.1 x 49.0 x 4.3 (blk)	2/A	$.71	$.64	$.468	$.348
101152	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (blk)	2/A	.58	.45	.42	.35

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse



Part No.	Description	1	10	100
115002	W/ 5A/250VAC fuse	$2.35	$1.98	$1.43
124760	W/ 3A/250VAC fuse & 3' cord (pigtail end)	2.19	1.98	1.94

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

1.2VDC-24VDC Motors

For more 1.2VDC-24VDC Motors, visit www.Jameco.com


154923


177498


174692


206949


1586031


1586040


267291

Part No.	Product No.	Manufacturer	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing 1	10	100
154923	ST-130-22770	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	$1.19	$1.07	$.80
177498	RC280RA-2485 ⊕	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.95	1.66	1.25
174692	21226-384221 ⊕	Johnson Electric	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.25	1.67
206949	QJT360S14280 ⊕	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	2.15	1.93	1.73
1586031	FK-260SA	Mabuchi Motor	12	12-24	0.027	5800	14.8	—	0.08"/solder	0.08	0.42	0.96 x 1.06	1.59	1.39	1.25
1810099	FK-260SA (14280)	Mabuchi Motor	11	—	0.063	8600	—	—	0.08"/solder	0.08	0.43	0.96 x 1.06	1.75	1.59	1.39
1586058	FK130RH-10450	Mabuchi Motor	12	6-18	0.036	9750	8.9	—	0.08"/solder	0.08	0.31	0.80 x 0.99	2.59	2.59	2.29
1586040	RS365PH-11240	Mabuchi Motor	24	9-28	0.070	10700	411	—	0.011"/solder	0.09	0.49	1.08 x 1.28	2.59	2.59	2.29
1586023	RK370C	Mabuchi Motor	24	12-30	0.15	3850	19.3	—	0.08"/solder	0.08	0.67	0.96 x 1.21	2.59	2.59	2.29
267291	SUN-555A-LMRK	Telco	24	—	0.150	4100	84	—	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.59	2.29	1.72

1.5 - 13.5VDC Motors

For more 1.5VDC-13.5VDC Motors, visit www.Jameco.com

Applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products • Tire pumps • Christmas trees • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers • Paper shredders • Cordless power tools


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

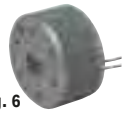

Fig. 6


Fig. 7


Fig. 8


Fig. 9

Nichibo-Type

Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing 1	10	100
231909	FE-260-18130	1	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	$1.19	$1.01	$.83
232143	FF-050S-11170 ⊕	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
231732	PC-130SF-09480 ♻	2	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.89	1.69
231896	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
232022	MD5-1885 ♻	4	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232040	MD5-2070 ♻	4	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232048	MD5-2445 ♻	4	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43

Mabuchi-Type

Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing 1	10	100
238465	RF-310TA-11400 (CCW)	5	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.700	0.962 x 0.712	$2.99	$2.55	$1.91
238458	RF-300PA-11400 (CW) ♻	6	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.200	0.960 x 0.504	4.35	3.70	2.77
238511	RF-500TB-12560	7	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238473	RF-370CA-15370	8	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54

Hi-Torque

Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing 1	10	100
237391	29SYT003	9	13.5	13.5	13	18000	509	—	Quick connect	0.125	1.003	1.141 x 2.283	$5.95	$5.05	$3.93

1.3VDC and 3VDC Vibrating Motors

For more Vibrating Motors, visit www.Jameco.com

• Typical applications: cellular phones, pagers and toys


Fig. 1


Fig. 2


Fig. 3

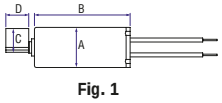


Fig. 1

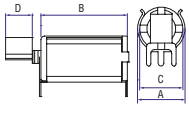


Fig. 3

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia." x Depth"	Shaft Size (C x D) Dia." x Length"	Pricing 1	10	100
175062	OTL-7AL ⊕	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$5.49	$4.94	$3.67
256306	6ZK003 ♻	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256365	7ZK692 ♻	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256382	7ZK681 ♻	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256314	6ZK053 ♻	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256331	6ZK261 ♻	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC term.	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256091	4ZK091 ♻	2	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

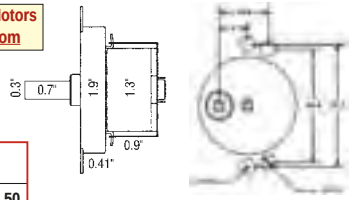
JAMECO ReliaPro

6, 12 and 24VDC Reversible Gear Head Motors

- Solder-type terminal
- Oil bearing design for long service life
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ

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A Jameco EXCLUSIVE



32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
253228	32-001	6	—	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	$19.25	$17.35	$15.59

32GM Series

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
170642	GH12-1828Y-10	12	6.0 – 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	$27.35	$23.22	$17.42
153438	GH12-1045Y	12	3.0 – 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159418	GH12-1921Y	12	4.5 – 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	24.39	21.97	19.75
162191	GH12-1324Y225	12	4.5 – 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	17.79	16.01	14.44



253228



159418

GH35GM Series

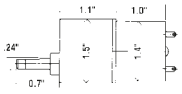
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
155012	GH12-1926	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	$21.95	$19.79	$17.79
155821	GH12-1830Y-P	12	4.5 – 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.89	20.63	18.54
155839	GH12-1641T-L	12	3.0 – 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	25.35	22.85	20.59
152911	GH12-1926Y	12	4.5 – 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	23.89	21.50	19.32
151441	GH12-1632TI	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155855	GH12-1641T-F	12	3.0 – 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	23.55	21.24	19.10
155863	GH12-1926Y-F	12	4.5 – 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	23.99	21.99	19.99
161373	GH12-1345T	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	20.35	15.26
161382	GH12-1634T	12	4.5 – 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
164786	GH12-1640Y	12	4.5 – 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	31.79	27.01	20.26
176050	GH12-1640Y00	24	12 – 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176032	GH24-1640Y06	24	12 – 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.75	21.37	19.21
176023	GH24-1640Y19	24	12 – 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	21.60	19.42



GH30GM Series



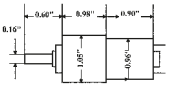
155012



GH35GM Series

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
167039	GH12-0953Y	12	4.5 – 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	$18.45	$16.63	$15.00
167047	GH12-1828Y	12	4.5 – 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	23.79	21.43	19.27



HN27GD Series

38GM Series

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
253534	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	$21.85	$19.71	$17.70
253500	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.79	18.52	17.59
253497	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.39	18.39	16.52
253472	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.89	19.75	17.75
253455	38-002 ✪	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.70
253446	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.69

Other Manufacturers

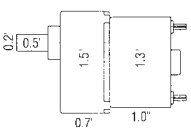
Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
1537168	17N-78-210E-1	12	7.7	8500	948	352:1	0.6 x 1.1	0.7 x 1.0	0.1 x 0.3	$17.95	$16.49	$14.95



167039



253446



38GM Series



1537168

120VAC Gear Motor

6.0 RPM - 2.9 Watt



- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Shaft diameter: 0.27"
- Shaft length: 0.65"
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

Part No.	Cross Ref. No.	Size	1	10	100
213488	50TYZ	2.0" dia. x 1.0" thick	$19.75	$17.75	$15.97



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Additional DC and AC Gear Motors available on our website. Visit us online today!

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

KAE Industrial Motion Controllers for Brush, Brushless and Stepper Motors


323942


185009


323951

323942: PIC-SERVO motor control board


184997

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- Size: 3.1"L x 2.1"W x 0.9"H

185009/323951: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951 Amplifier capable of driving 6A continuously @ up to 48VDC
- Size P/N 323951/184997: 3.1"L x 3.1"W x 0.9"H, P/N 185009: 3.1"L x 3.1"W x 1.0"H

184997: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Size: 3.1"L x 2.1"W x 0.9"H

Part No.	Description	1	10
323942	KAE-T0VIO	$169.55	$152.59
185009	KAE-TOV5-BD3-PHV1✪	271.79	244.69
323951	KAE-T0VIO	241.55	218.31
184997	PIC-STEP	159.95	143.95

✪ Blue Part No. = Limited Quantity Available

Multi-Stepper Motor Control Board


Shown w/ motors – not included

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec. • Size: 7.7"L x 5.0"W x 1.0"H
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- 26 digital I/O and two SPI interfaces for control of external devices

Part No.	Description	1	10
168729	Stepper motor control brd	$399.95	$379.95

Sport232-ST One Axis Stepper Motor Controller/DAC Board



- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic)
- 8 digital I/O and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows® 9x/NT/2000/XP, Linux and Labview

Part No.	Description	1	10
1537344	Sport232-STI	$247.99	$237.99

For more Motors, visit our website
www.Jameco.com

Serial Servo Controller Module



- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 89) or modular adapter from DB9 to RJ11 (P/N 114738, pg 88)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty

Part No.	Description	1	10
151001	Mini SSC II	$43.95	$41.79

High-Efficiency Robotic Servo



Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Size: 0.8"W x 1.4"D x 1.6"H
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001, pg 123

Part No.	Description	1	10
157067	Robotic servo	$19.95	$17.95

12VDC Solenoid Valve



- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C
- Air leakage: 1c.c./min. max. 4psi • Current: 350mA

Part No.	Description	1	10	100
169835	Solenoid valve	$8.05	$7.25	$6.48

12VDC Power Solenoid



- 12VDC • 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs • 2.25" mounting centers
- Contractors power solenoid • Size: 1.86" x 3" base

Part No.	Product No.	1	10	100
1585645	93285	$6.49	$6.49	$5.85

12VDC and 24VDC Continuous Push/Pull Solenoids


262247


262263


262272


262167


142464


215141


149754

Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke (ins.)	Size L x Dia. (ins.)†	Shaft Dia. (ins.)	Wt. (lbs.)	Pricing 1	10	100
262247	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	$9.99	$8.89	$7.99
262263	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	9.95	8.92	8.02
262272	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	10.09	9.11	8.22
262167	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	11.95	10.74	9.78
142464	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	7.99	7.59	7.20
215141	SMT-2251L24AA ⊕	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	11.99	10.98	10.39
149754	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	16.45	15.68	14.84
149762	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	11.75	10.57	9.51
262191	SMT-3257S24STD ⊕	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	23.95	21.54	19.43


149762


262191

† Open frame type dimensions: L" x W" x H" * Dual shaft

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

DC, Vibrating & Gearhead Motors on pages 121-122 Stepper Motor Controllers on page 123 & web

JAMECO ReliaPro

Bipolar and Unipolar Stepper Motors

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

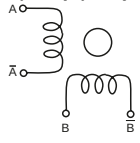
For more ReliaPro Stepper Motors visit www.Jameco.com

Quantity SAVE

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998, pg 211, for shaft coupler

A Jameco EXCLUSIVE

Bipolar (2-phase)



Unipolar (4-phase)

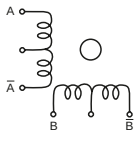



Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

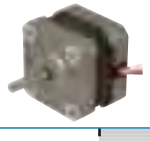

Fig. 6

Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing 1	10	50
237489	39BYG001⊕	1	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	$19.15	$16.26	$13.11
237578	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	35.49	31.93	28.73
155460	42BYG023 *	1	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	20.95	18.99	17.01
237472	39BYG401A	1	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.45	19.33	17.39
237569	57BYG009⊕	2	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614	57BYGH801⊕	3	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.55	32.01	28.78
237535	42BYGH102	4	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	16.15	14.55
237552	57BYG008	2	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	35.79	32.19	28.97
237622	57BYGH802⊕	3	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	32.04	24.03
237607	57BYGH001	3	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	36.89	33.21	29.92
237825	25BY4801	5	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	5.95	4.95	4.43
237674	35BY48B06	6	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.85	5.25
223870	57BYG070⊕	2	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	42.45	31.83
237631	57BYGH803⊕	3	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	54.90	41.17
172646	42BYG205⊕	2	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	21.35	19.27	17.32
224022	42BYG016	1	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	20.35	18.27	16.47
155433	42BYG228	1	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.55	18.64	16.70
237543	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	28.75	24.44	18.92
238538	42BYGH404	4	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	22.05	19.83	17.85
162027	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.65	32.09	28.87
173181	30BYJ02AH **	5	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	15.35	13.03	9.76
238115	35BY48B08	6	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	6.19	5.68	5.17

* **155460:** Dual shaft ** **173181:** Gear ratio 85.25:1

Other Manufacturers — Great Deals

1581231



454475



1585653



Part No.	Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Pricing 1	10	50
1581231	PX243M-01AA	Bipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	$11.95	$10.95	$9.49
454475	41118S-62-07	Bipolar	24	1.8	0.6	2500	.93	—	3240	—	—	0.190	0.50	1.67	1.34	19.95	17.95	13.46
1585653	KP35FM2-044	Bipolar	24	1.8	—	500	7.8	90	700	1.45	0.09	0.197	0.90	1.62	1.05	10.95	10.95	10.49



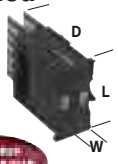
Pushbutton Binary Coded Decimal (BCD) Switch

26789 (2 switches shown)

JAMECO ValuePro

Thumbwheel Binary Coded Decimal (BCD) Switch

(2 switches shown) 26818



A Jameco EXCLUSIVE

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC
- Break before make
- Operating temperature: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting w/ end plates
- Switches snap together

Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing 1	10	50	100
26789	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	$6.85	$6.18	$5.58	$4.98
26818	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.69	4.14	3.72	3.34

JAMECO ValuePro

Mini Pushbutton BCD Switch

- Operating temperature: -10°C to +65°C
- 28VDC @ 10A
- Break before make
- Switches snap together
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"

A Jameco EXCLUSIVE



Part No.	Cross Ref.	Description	1	10	100
136558	MX061	10-position ...	$3.79	$3.41	$3.06

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Honeywell Limit & Enclosed Switches

Compact Enclosed Switch

NEW



- Side mount • Installed w/ #6 screws
- Combination insulator/seal cemented inside the bottom enclosure
- Lead washers are used to seal the mounting holes on side mount switches

Part No.	Product No.	Description	Contact Rating	1	10	100
1846323	BZE6-2RN ♻	With seal boot, SPDT, Side Mount	15A @ 125/250/480VAC; 2A @ 600VAC	$42.85	$34.39	$30.95

Miniature Pre-Wired Enclosed Switch

NEW



- Zinc die cast housing
- Temperature range: -35°F to 180°F (-2°C to 71°C)
- UL/CSA/CE

Part No.	Product No.	Description	Contact Rating	1	10	100
1834509	914CE2-3 ♻	Roller plunger, SPDT	5A @ 240VAC; 3A @ 28VDC	$68.35	$65.72	$63.08

Honeywell Snap-In Basic Switch

Panel Mount

NEW



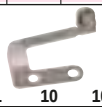
- Quick connect terminals
- Expected mechanical life: 1 million cycles; 95% survival
- Temperature range: -35°F to 180°F (-32°C to 82°C)

Part No.	Product No.	Contact Form	Description	Contact Rating	1	10	100
1815658	1DM401 ♻ ♠	SPDT	Pull to cheat (white finger grip)	10A; 1/2HP 125/250/277VAC	$6.49	$4.82	$4.01

Honeywell Auxilliary Actuators

NEW

1863140



Part No.	Product No.	Description	1	10	100
1863140	JS-5 ♻ ♠	Roller leaf, bronze roller, commercial type, 0.59"L	$4.65	$3.93	$3.66
1863060	JE-5 ♻	Roller leaf, industrial type, 0.56"L	12.99	12.52	11.01

For more Major Brand Enclosed and Basic Switches, visit our website at **www.Jameco.com**

Honeywell Standard Basic Switch

NEW



Part No.	Product No.	Actuator Type	Form	Contact Contact Rating	Contact (Mech./Elec.)	Service Life Terminal Type	Pricing 1	10	100
1846067	BZ-2RW80-A2 ♻ ♠	Straight Lever (2.5"L)	SPDT	15A @ 125/250/480VAC	—	Screw Terminals	$11.29	$10.75	$8.45

Miniature Basic Switches

NEW

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H



159572 159581 187805 1917099 1917259 1917267 617844

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
159572	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.250" quick disconnect	$2.89	$2.54	$2.28
159581	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.183" quick connect	2.45	2.08	1.56
187805	V-10G3-1C24K ♻	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.75	2.48	2.29
1917099	V7-1C17D8 ♻ ♠	Honeywell	Pin Plunger	SPDT	15.1A @ 125/250/277VAC	—	0.187" quick connect	2.59	2.36	2.24
1917259	V7-2B17D8-022 ♻ ♠	Honeywell	Staight lever (1.40"L)	SPDT	11A @ 125/250/277VAC	—	0.187" quick connect	2.59	2.32	1.99
1917267	V7-2B17D8-201 ♻ ♠	Honeywell	Roller Lever (0.81"L)	SPDT	11A @ 125/250/277VAC	—	0.187" quick connect	3.49	3.09	2.64
617844	35-880	GC Electronics	Lever	SPDT	10A @ 125VAC	—	0.187" quick connect	5.15	4.89	4.66

Subminiature Basic Switches

NEW

- Economical, subminiature basic switch offers long service life
- Lead spacing: A = 0.35"; B= 0.29"
- Free from overtravel restrictions, permits easy setting
- Dimensions: 0.78"L x 0.25"W x 0.40"H

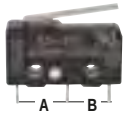


Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Product No.	Manufacturer	Fig.	Contact Actuator Type	Form	Service Life Contact Rating	(Mech./Elec.)	Terminal Type	Pricing 1	25	50
187709	SS-5GL ♻	Omron	1	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	$1.59	$1.45	$1.29
187733	SS-5GL2 ♻	Omron	2	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.29	1.19	1.13
159599	SS0505A	Highly Electric	2	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.29	1.07	.96
1814276	11SX21-T ♻ ♠	Honeywell	3	Pin Plunger	SPDT	5A @ 115VAC/250VAC	10M	Wrap around / solder	9.15	7.41	6.35
1816087	1SX1-T ♻ ♠	Honeywell	3	Pin Plunger	SPDT	7A @ 28VDC; 7A @ 250VAC	1M	Wrap around / solder	10.39	8.45	7.25
1820060	4SX1-T ♻ ♠	Honeywell	3	Pin Plunger	SPDT	7A @ 28VDC	10M	Wrap around / solder	10.35	9.18	8.61
1816482	21SM284 ♻ ♠	Honeywell	3	Pin Plunger	SPDT	5A @ 28VDC; 5A @ 115VAC	80k	Wrap around / solder	6.49	5.38	4.84
1814241	11SM3-T ♻ ♠	Honeywell	3	Pin Plunger	SPDT	5A @ 28VDC; 5A @ 250VAC	10M	Wrap around / solder	3.75	3.27	2.82
1813863	111SM1-T ♻ ♠	Honeywell	4	Intergral Leaf	SPDT	5A @ 28VDC; 5A @ 250VAC	10M	Wrap around / solder	6.55	5.45	4.55

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at **www.Jameco.com**

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

JAMECO ValuePro — A Jameco EXCLUSIVE

Pushbutton Switches

For more ValuePro Pushbutton Switches visit www.Jameco.com


Fig. 1


Fig. 2

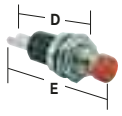


Fig. 3


Fig. 4

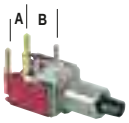


Fig. 5



Fig. 6



Fig. 7

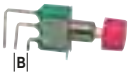


Fig. 8



Fig. 9

Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type ( ) Momentary	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Contact Rating	Terminal Type	Button Color	Pricing 1	10	100	500	1000
315432	R13-23A-R⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	**$1.13**	**$1.05**	**$.90**	**$.83**	**$.78**
315484	R13-23B-R	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	**1.29**	**1.19**	**.99**	**.92**	**.87**
315442	R13-23A-B	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	**1.29**	**1.19**	**.99**	**.92**	**.87**
315599	R13-40A-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	**1.35**	**1.23**	**1.10**	**.99**	**.93**
315580	R13-40A-B⊕	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	**1.35**	**1.22**	**1.04**	**.83**	**.62**
26623	MS102	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	**.66**	**.60**	**.54**	**.42**	**.348**
26649	MS103⊕	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	**.65**	**.57**	**.479**	**.388**	**.296**
315643	R13-81-R⊕	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	**1.25**	**1.15**	**1.06**	**.95**	**.84**
71643	SWB210	5	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	**2.65**	**2.39**	**2.14**	**1.92**	**1.67**
121305	CK8121	6	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	**3.59**	**3.25**	**2.95**	**2.65**	**2.39**
28063	PB126	6	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	**3.69**	**3.35**	**2.99**	**2.69**	**2.45**
174414	R13-510A⊕	7	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	**.79**	**.78**	**.77**	**.74**	**.69**
Other Manufacturers																
154878	PS11-123	8	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	**$1.79**	**$1.70**	**$1.61**	**$1.51**	**$1.43**
22200	J1881	9	2*	3/8"	SPST on-off, Alt†	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	**.95**	**.90**	**.85**	**.81**	**.77**
22218	J1882	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	**1.05**	**.91**	**.81**	**.73**	**.65**

*Lead wires † Alt = alternate action

Electromech

APEM

Pushbutton Switches

For more APEM Pushbutton Switches visit www.Jameco.com

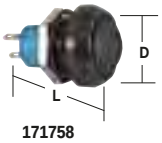
IP and AV Series Panel Mount Pushbutton Switches

171758/171766: IP Series

- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC • Mounting hole: 1/2"Dia. • Dielectric strength: 1500V_{RMS} min. • Mechanical life: 1,000,000 cycles min.

171774: AV Series

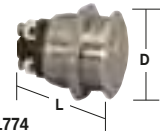
- Initial contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min. • Mounting hole: 3/4"Dia. • Dielectric strength: 1000V_{RMS} min.



171758



171766



171774

Part No.	Product No.	Pins	Type ( ) Momentary	Dimensions L	Dimensions W	Dimensions D	Lead Spacing	Contact Rating	Terminal Type	Pricing 1	10	100	250
171758	IPR3SAD2⊕	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	**$10.89**	**$9.82**	**$8.87**	**$7.87**
171766	IPC3SAD6⊕	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	**10.39**	**9.35**	**8.45**	**7.49**
171774	AV191003C900⊕	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	**12.55**	**11.38**	**10.24**	**9.23**

Mountain Switch

Pushbutton Switches

- 2-pin • Lead type: solder terminal
- Contact rating: **164566/164639:** 0.5A @ 125VAC; **164582/164671:** 1A @ 125VAC; **106112:** 3A @ 110VAC

For more Mountain Switch Pushbutton Switches visit www.Jameco.com

Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164494	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	**$2.09**	**$2.05**	**$1.97**	**$1.88**
164486	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	**2.39**	**2.30**	**2.18**	**2.07**
164523	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	**2.05**	**1.96**	**1.89**	**1.82**


Fig. 1


Fig. 2


Fig. 3


Fig. 4

Standard Touch Switches

Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164566	MS402R	3	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	**$1.23**	**$1.19**	**$1.15**	**$1.09**
164582	DS016B	4	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	**1.65**	**1.59**	**1.53**	**1.46**
164639	MS3120R	5	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	**1.65**	**1.49**	**1.34**	**1.26**
106112	DS412R*	6	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	**1.05**	**1.03**	**.99**	**.98**

*Solder lugs


Fig. 5


Fig. 6

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Email us 24/7 at **NewProducts@Jameco.com** with suggestions for products you'd like to see in future catalogs.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

E Series Panel Mount Pushbutton Switches

- Snap-in panel mounting
- Flammability rating: UL94V-0
- Long life coil spring, snap-action mechanism
- Temp. rating: -40˚C to 85˚C
- Case: thermoplastic polyester
- Actuating button: thermoplastic acetal
- Terminals: brass, 0.197" quick connect
- Moving blade: berryllium copper
- Spring: stainless steel



For more Cherry Pushbutton Switches visit www.Jameco.com

Part No.	Prod. No.	Description	Contact Form	Contact Rating	Contacts	Pricing 1	10	50
1720114	E68-30A♠	Momentary	SPDT	0.1A @ 125VAC	Gold crosspoint	$5.65	$4.20	$4.09
1720131	E69-00A♠	Basic Momentary	SPDT	10A @ 250VAC	Silver alloy	3.09	2.90	2.69
1720229	E79-30A♠	Momentary	DPDT	10A @ 250VAC	Silver cadmium oxide	6.55	6.33	6.07

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

Switchcraft® Cord-Switch®



- Maximum cable side diameter: .375"
- Copper alloy plated housing and switch bushing
- Plastic insulation

Part No.	Product No.	Description	1	10	25
297502	ED903	Cord-switch	$10.95	$10.64	$9.95

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

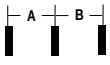
Standard Toggle Switches

JAMECO ValuePro — A Jameco Exclusive — Quantity SAVE

- Panel mount
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Medium duty
- Keyed plate indicates switch position

Includes: Mounting hardware and on/off plate

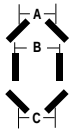
For more ValuePro Standard Toggle Switches, visit www.Jameco.com



3-pin



2-pin or 4-pin



6-pin



Fig. 1


Fig. 2


Fig. 3

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	B"	C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76241	SWM128 ⊕	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	$1.79	$1.61	$1.37	$1.10	$.82
76232	SWM125 ⊕	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	2.25	2.00	1.86	1.67	1.50
318002	R13-28A-01	3	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318123	R13-28D-01	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.30	2.94	2.50	2.00	1.67
318141	R13-28D-06	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060	JKN32 ⊕	1	4	SPDT on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.38	1.26	1.14	1.02	.78
76260	SWM126 ⊕	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29	1.15
158078	JKN3CC ⊕	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.75
318043	R13-28B-01 ⊕	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051	R13-28B-05 ⊕	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09

Miniature Toggle Switches

JAMECO ValuePro — A Jameco Exclusive

- Mounting hole diameter: 1/4"

Includes: Mounting hardware

For more ValuePro Miniature Toggle Switches visit www.Jameco.com

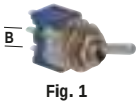


Fig. 1

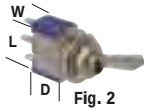


Fig. 2

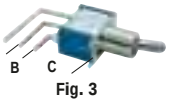


Fig. 3

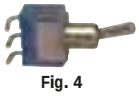

Fig. 4


Fig. 5

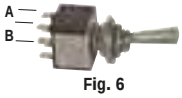


Fig. 6

Part No.	Cross Ref. No.	Fig.	Pins	Type ( ) Momentary	Dimensions L" x W" x D"	Lead Spacing A"	B"	C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76523	JMT113 ⊕	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	$1.38	$1.24	$1.12	$.90	$.78
21936	JMT123 ⊕	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.19	1.05	.81	.70
21910	JMT121 ⊕	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.71
22833	LFH123	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.38	1.26	1.14	1.02	.90
75854	SWM132	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.40	1.25	1.13	.83
75889	SWM129 ⊕	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
26332	MPC123	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315	MPC121 ⊕	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.72
71597	SWM148 ⊕	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.29	1.19	.99	.79	.59
75871	SWM145	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841	LFH221 ⊕	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979	JMT223 ⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859	LFH223 ⊕	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.55	1.43	1.26	1.14	.89
75900	SWM133 ⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.79	1.61	1.37	1.10	.82
21952	JMT221 ⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.37	1.17	.93	.70
75951	SWM130	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
26367	MPC223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358	MPC221 ⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.79	1.59	1.39	1.29	1.19
Other Manufacturers																
1585506	7201L1YZTME	1	6	DPDT on-on	.50 x .45 x .35	—	.135	—	5 @ 120 & 2 @ 250	Solder lugs	Round	$2.95	$2.65	$2.25	$1.95	$1.59

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

Subminiature Toggle Switches

JAMECO ValuePro

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

A Jameco EXCLUSIVE

For more ValuePro Toggle Switches visit www.Jameco.com

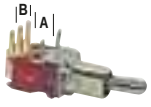


Fig. 1

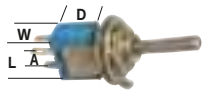


Fig. 2



Fig. 3



Fig. 4

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	Lead Spacing B"	Contact Rating	Lead Type	Lever Type	Pricing 1	10	100	500	1000
106068	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	$2.39	$2.20	$1.91	$1.73	$1.59
72161	SW1501	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.19	1.18	1.14	1.09	.92
75969	SWM136 ⊕	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
138907	SW1503	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.55	1.26	1.02	.77	.58
75977	SWM137 ⊕	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.45	1.17	.94	.72	.61
Other Manufacturers — Great Deals															
1585493	ET012D1AVBE	4	3	SPDT on-on	.32 x .20 x .18	.10	—	20mA @ 20VDC/VAC	PC right angle	Round	$1.49	$1.39	$1.25	$1.10	$.95

TL Series Environment Sealed Toggle Switches

NEW

- Screw terminals
- UL recognized
- Temp. range: -85°F to 160°F (-65°C to 71°C)
- Electrical rating (resistive): 20A @ 28VDC/15A @ 115VAC/6A @ 230VAC except P/N **1817590:** 18A @ 28VDC/11A @ 115VAC/6A @ 230VAC

For more Honeywell Toggle Switches, visit www.Jameco.com


1817477 1817506 1817514 1817400 1817590

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing 1	10	100
1817477	2TL1-2	2	2	Off	—	2-3, 5-6	$26.85	$20.89	$19.73
1817506	2TL1-3	2	2	1-2, 4-5	—	2-3, 5-6	26.45	20.56	19.92
1817514	2TL1-3D †	2	2	1-2, 4-5	—	2-3, 5-6	57.09	53.27	49.94
1817400	2TL1-1	2	3	1-2, 4-5	Off	2-3, 5-6	28.95	26.95	21.95
1817590	2TL1-7	2	3	(1-2, 4-5)	Off	(2-3, 5-6)	26.35	21.87	20.28

† Center locked out posiion, military equivalent MS24659-23D

NT Series Sealed Toggle Switches

- Screw terminals • UL recognized
- Temp. range: -40°C to 71°C (-40°F to 160°F)
- Electrical rating (resistive): **1815906/1815914:** 20A @ 28VDC/15A @ 115VAC/6A @ 230VAC; **1815949:** 15A @ 28VD/15A @ 115VAC/6A @ 230VAC; **1817291:**18A @ 28VDC/11A @ 115VA /6A @ 230VAC

For more Honeywell Toggle Switches visit www.Jameco.com


1815906 1815914 1815949 1817291

NEW

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing 1	10	100
1815906	1NT1-2 ♠	1	2	Off	—	2-3	$15.05	$11.89	$10.75
1815914	1NT1-3	1	2	1-2	—	2-3	14.09	11.71	10.76
1815949	1NT1-7	1	3	(1-2)	Off	(2-3)	13.99	11.63	10.73
1817291	2NT1-7 ♠	2	3	(1-2, 4-5)	Off	(2-3, 5-6)	19.69	15.39	12.14

SPST Round Keylock Switches

JAMECO ValuePro

- Used in computer and other security systems
- Key removable from 2 positions • Two keys
- Mounting hole = 0.75" except P/N 106650 = 0.5"

196649: all keys are alike

Includes: Mounting nut

A Jameco EXCLUSIVE


106650



105832/196649

Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	50	100
106650	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	$4.35	$3.95	$3.47	$2.99
105832	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.15	3.73	3.42	3.11
196649	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.75	4.23	3.87	3.49

Standard Appliance Rocker Switches

- Terminal type: 0.250" quick connect
- Panel mount • Black • Rectangular

For more GC Rocker Switches visit www.Jameco.com



Part No.	Product No.	Type () Momentary	Contact Rating (A @ VAC)	Hole	Pricing 1	10	100
622281	35-3695	DPDT (on)-off-(on)	15 @ 125	0.83" x 1.45"	$7.59	$7.02	$6.52
617473	35-695	SPDT (on)-off-(on)	16 @ 125	0.55" x 1.12"	4.25	3.52	3.30

Keylock Switch

- Contact rating: 2A @ 250VAC/4A @ 28VDC
- 2.1A @ 46VDC (96VAC)
- SPST on-off
- Screw terminal
- 2 key removal
- Lock type: 5 disk tumbler
- Mounting hole: 0.875"

Includes: Nut, screw, ring & 2 keys



Part No.	Product No.	1	10	50
621317	35-196	$13.69	$12.98	$12.33

Switch Grab Bags

18235: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches

135378: 1 lb. (appox. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches


18235

Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235	GB165	0.4	$8.75	$7.69
135378	GB165LB	1.0	18.95	16.95

Electro Magnetic Counters

NEW

- Flanged face, panel mount
- Reset button and lock button
- Count up to 999,999 (6 digits)
- Dimensions: 2.0"W x 1.1"H x 2.5"D
- 8" wire
- Color: beige


1810064


1810056

Part No.	Cross Ref. No.	Input Voltage	1	10
1810064	CNTR6-12VDC	12VDC	$29.95	$29.95
1810056	CNTR6-120VAC	120VAC	29.95	26.95

We're Listening to Your Requests

Email us 24/7 at **NewProducts@ Jameco.com** with suggestions for products you'd like to see in future catalogs.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Rocker Switches

For more ValuePro Rocker Switches visit www.Jameco.com

- Rectangle rocker type
- Mounting type: panel mount
- Mounting hole: 0.78"L x 0.52"W
- Terminal type: 0.187" quick connect


316014


316022


316111

Part No.	Cross Ref. No.	Pins	Type () Momentary	Contact Rating (A @ VAC)	Rocker Color	Lead Space A"	Lead Space B"	Dimensions (L"xW"xD")	Pricing 1	Pricing 10	Pricing 100
316014	R13-66A-B-02	2	SPST on-off	16 @ 125	Black top	0.31	—	.83 x .59 x .47	$.99	$.86	$.56
316022	R13-66A-R-02	2	SPST on-off	16 @ 125	Red top	0.31	—	.83 x .59 x .47	.99	.86	.56
316111	R13-73A2-B-02	4	DPST on-off	10 @ 125	Black (I-O)	0.20	0.34	.83 x .59 x .87	1.69	1.58	1.42

Tactile Switches


Fig. 1

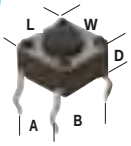


Fig. 2

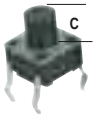


Fig. 3


Fig. 4


Fig. 5



Fig. 7


Fig. 6

- Bounce time: 10 msec.
- SPST momentary ON • Lead type: PC
- Contact resistance: 100mΩ

For more ValuePro Tactile Switches visit www.Jameco.com

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
122973	DTS1212	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	$.26	$.23	$.19	$.17
119010	KTIIBICM ⊕ ✪	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22	.20
149948	KT11P4CM ⊕	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.26	.23	.21	.19
153252	SDT620K	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155249	KRS-3550-BK	4	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.22	.20	.16	.15
155380	KRS-1273B ♦	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

♦ See switch caps below ✪ Blue Part No. = Limited Quantity Available

Tactile Switch Caps♦

10 piece minimum

Part No.	Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155409	KRS-CAP-B	6	Round	.50"Dia. x .25"H	Plastic	P/N 155380	$.16	$.14	$.12

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.*	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
199726	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	$.33	$.239	$.212	$.156
1586074	EVQ-PAG04K	2	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	.23	.21	.19	.17

* Manufacturer may vary

Specialty Switches

For more GC Specialty Switches visit www.Jameco.com


617764


617529


617545


617490

Pull Chain Switch • Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

Part No.	Product No.	Contact Form	Actuator	Terminal Type	1	10	50
617764	35-864	SPST on-off	3 1/2" pull chain	6" wires	$2.75	$2.52	$2.31

Magnetic Proximity • Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC

617529	35-752	SPDT NO/NC	Use magnet	Leaded SD	$3.95	$3.77	$3.69
617545	35-756	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	5.95	5.64	5.36

Knife Switch • Current rating: 0.5A @ 6VDC • Mounting hole: 3.4mm

617490	35-730	DPDT on-off-on	Plastic handle	Screw terminal	$4.09	$3.99	$3.91

Slide Switch

- Two mounting flanges
- 6/6 nylon plastic housing
- Top actuation
- Phenolic insulated
- Nylon actuator



Part No.	Pins	Type	Description	Housing Material	Dimensions L"	Dimensions W"	Dimensions D"	Lead Spacing A"	Lead Spacing B"	Contact Rating	Lead Length	Actuator Height	Pricing 1	10	100	250
109171	3	SPDT on-on	PC mount	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	$.31	$.26	$.23	$.19

B3F Series Miniature Tactile Key Switch



- Low profile and easy mounting
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: high-force 260g
- Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.
- Extended mechanical/electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Dimensions: 4.3 mm x 6.5 mm

Part No.	Type	1	25	50	100
162886	B3F-1000	$.45	$.40	$.36	$.33

Inline Cord Switch



- Contact form: SPST on-off
- Contact rating: 6A @ 20VDC
- Terminal: solder • Black plastic body

Part No.	Product No.	1	10	100
621270	35-1851	$4.75	$4.56	$4.38

Magnetic Reed Switches


164081

- NO (normally open)
- Contact form: SPST

171872: • 500mA @ 100VDC
- Size: 0.53"L x 0.1"Dia.

164081: 1A @ 250VAC; 1A @ 50VDC
- Size: 1.43"L x 0.2"Dia.

Part No.	Cross Ref. No.	1	10	100	1000
171872	MKA14103	$.79	$.64	$.46	$.41
164081	MRS1.....	.62	.53	.38	.285

Switch Assortment Kit

Includes:



- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 204 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 127
- 10 ea. slide switches (109171), below
- 10 ea. pushbutton switches (26623, 26649), pg 126
- 10 ea. DIP switches (38818, 38843), pg 131
- 10 ea. tactile switches (153252), above left

SAVE $45

Part No.	Description	Wt. (lbs.)	1	10
85059	150 pcs. switch kit	5.0 ...	$118.75	$106.74

Committed to You

We're committed to providing you with the best service in the industry.

Electromech

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

CD Series 8mm DIP Coded Rotary Switch



- Contact rating: 0.4W max. @ 20VAC or VDC max. • Contact resistance: 50mΩ max. initial
- Insulation resistance: 100MΩ min. @ 250VAC min. • Dielectric strength: 250V_{RMS} min.
- Movable contacts and stationary contacts: copper alloy with gold plate over nickel plate
- Terminals: copper alloy with tin-lead alloy over nickel plate
- Cover and base, knob: glass filled nylon, (UL94V-0) • Actuator: LCP (UL94V-0), internal o-ring seal standard

Part No.	Product No.	Function	Actuator	Termination	Mech/Electrical Life	1	10	100
581301	CD16RK1CK	Hexadecimal, 16-pos.	Knob	PC thru-hole	20,000 actuations	$6.05	$5.70	$5.55

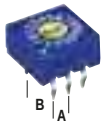
Rotary DIP Switches

For more ECE DIP Switches visit www.Jameco.com

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction • Terminals: PC pin leads
- Life: 10,000 cycles min. • Op. force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC • Lead spacing: A = 0.1"; B = 0.3"
- Material: 94V-0 grade, UL approved fire retardant plastic



139636



139652

Part No.	Cross Ref. No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50
139636	ERD110RS(DRD10)	10	Top	BCD	.39 x .39 x .20	$2.79	$2.55	$2.29
139652	ERD116RS	16	Top	Hex	.39 x .39 x .20	2.99	2.79	2.55

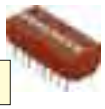
Tri-State DIP Switch



- 8 positions • Pre-tinned leads
- Switch contacts: bused, tri-state
- Labeled tri-state positions (+, 0, –)
- Contact rating: 24VDC @ 25mA
- Two isolated buses
- Compatible socket, use P/N 37373, pg 112

Part No.	Cross Ref. No.	1	10	50
138992	ETA108E	$1.99	$1.79	$1.59

DIP Switches



- Standard profile
- 2A @ 5VDC or 25mA @ 25VDC

For more GC DIP Switches visit www.Jameco.com

Part No.	Product No.	Pos.	Length	1	10	50
617908	35-964	4	0.48" ..	$1.75	$1.59	$1.44
617916	35-968	8	0.88"	2.35	2.16	1.94

76 Series Thru-Hole DIP Switches



- SPST rocker
- Spring ball contact
- Carrying current: 5A
- Dielectric strength: 500V_{RMS}

For more Grayhill DIP Switches visit www.Jameco.com

PSB – Piano DIP Style (UP is off), SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696802	76PSB04ST	4	0.480	$1.15	$1.05	$.97
696811	76PSB04T ♠	4	0.480	1.05	.99	.89
696829	76PSB08ST	8	0.880	1.39	1.27	1.16
788133	76PSB08T ♠	8	0.880	1.39	1.25	1.14

Toggle DIP Style, SPDT

Part No.	Product No.	Position	Length (in.)	1	10	100
788328	76STC04T ♠	4	0.780	$5.15	$4.64	$4.25

Military Qualified, SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
788088	76MSB10S♠	10	1.080	$5.59	$5.06	$4.64

RSB – Raised Rocker Style, Sealed, SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
788168	76RSB02ST ♠	2	0.280	$1.15	$1.05	$.96
696845	76RSB04ST ♠	4	0.480	1.35	1.24	1.13
696853	76SRB08ST ♠	8	0.880	1.49	1.38	1.27
788221	76RSB10ST ♠	10	1.080	1.55	1.40	1.29

SB – Raised Rocker Style, SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696870	76SB02ST ♠	2	0.280	$1.05	$.96	$.88
788248	76SB03T ♠	3	0.380	1.19	1.06	.97
696888	76SB04ST	4	0.480	1.05	.96	.88
696896	76SB04T ♠	4	0.480	.89	.84	.76
788256	76SB05T ♠	5	0.580	1.25	1.12	1.03
696909	76SB06ST	6	0.680	1.45	1.33	1.22
696917	76SB08ST ♠	8	0.880	1.45	1.32	1.19
696933	76SB08T	8	0.880	1.39	1.29	1.19

78 Series Thru-Hole DIP Switches



- Spring ball contact • Carrying current: 4A
- Dielectric strength: 500V_{RMS}

For more Grayhill DIP Switches visit www.Jameco.com

Raised Slides

Part No.	Product No.	Pos.	Description	Length (in.)	1	10	100
696950	78B04ST	4	SPST	0.480	$.93	$.86	$.79
472542	78B06S	6	SPST	0.680	1.69	1.58	.97
696968	78B08ST	8	SPST	0.880	1.05	.96	.88
696984	78B08T	8	SPST	0.880	1.19	1.11	1.02
788387	78B12SRA♠	12	SPST, right angle	1.280	3.29	2.97	2.72

94H Series Rotary DIP Switches



- Carry current: 100mA @ 50VDC
- Dielectric strength: 250V_{RMS}

For more Grayhill DIP Switches visit www.Jameco.com

Part No.	Cross Ref. No.	Pos.	Code Type	Description	Pricing 1	10	100
788521	94HAB08T ♠	8	Octal	Flush actuator, PC mount	$3.05	$2.75	$2.52
697080	94HAB10T	10	BCD	Flush actuator, thru-hole	2.69	2.61	2.47
697101	94HAB16T	16	HEX	Flush actuator, thru-hole	2.89	2.59	2.47
788539	94HAB16WT ♠	16	HEX	0.270" actuator, surface mount	3.09	2.81	2.58

Rotary Switches



101574

- Contact rating: 30VDC @ 0.3A • Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ • Lug size: 0.07" • Layers: 1
- Mounting hole diameter: 3/8" • Panel mount
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101566 – plastic casing)
- Make before break • Solder lugs

Includes: Washer and nut

For more ValuePro Rotary Switches visit www.Jameco.com

Part No.	Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.")	1	10	50
101532	RS0261	1	12	0.46 x 0.25	$1.29	$1.10	$.82
101574	RS022	2	6	0.46 x 0.25	1.35	1.15	.86
101566	RS023	3	4	1.16 x 0.25	1.95	1.59	1.25
101558	RS024	4	3	0.46 x 0.25	1.75	1.49	1.38



Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

DIP Switches

JAMECO ValuePro — EXCLUSIVE



206359 139002 139012 38801

- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing • Pre-tinned leads

For more ValuePro DIP Switches, visit www.Jameco.com



38843

Compatible Socket Chart, see page 112 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109059	112193	38827	37162	38801	39378
38820	51571	38843	37373	38834	37162
139003	51571	139012	37373	101856	38113
109057	112193	139002	51571	38797	38608
38818	51571	38826	37162		
206359	51571	38798	38608		

Part No.	Cross Ref. No.	Pos.	Pricing 1	10	100	1000
109059	206-2	2	$.75	$.68	$.61	$.55
38820	206-4	4	.65	.55	.49	.45
139003	206-4LP ⊕	4	.79	.70	.55	.44
38827	206-6	6	.99	.89	.79	.72
38843	206-8	8	1.07	.96	.87	.77
139012	206-8LP	8	.85	.76	.61	.47
38798	206-10 ⊕	10	.95	.86	.68	.59
38801	206-12	12	1.23	1.16	1.09	.73
Other Manufacturers — Great Deals						
109057	206-2*	2	$.83	$.74	$.68	$.56
206359	206-3*	3	.82	.74	.59	.443
38818	206-4 ⊕	4	.48	.44	.40	.36
139002	206-4LP*	4	.47	.441	.303	.262
38826	206-6*	6	.88	.83	.57	.48
38834	206-7*	7	.95	.86	.77	.62
101856	206-9*	9	.78	.73	.61	.46
38797	206-10*	10	.88	.83	.77	.481

* Manufacturer may vary

Alcoswitch Rotary DIP Switch Through Hole



NEW

- Rotor: PA6T UL94V-0, white
- Contact rating: 0.4W @ 20VDC
- Life expectancy: 10,000 rotations
- Contact resistance: 50mΩ max.
- Dielectric strength: 300VAC
- Fixed contact/terminal: copper alloy, gold flash over nickel • Adjust top
- Frame and case: PPS UL94V-0, black • Pos.: 16
- Moving contact: copper alloy, gold flash over nickel
- Insulation resistance: 1000mΩ @ 100VDC
- Code type: hex • Size: 0.394"W x 0.394"D x 0.236"H

Part No.	Product No.	1	10	100
1809389	DRD16CE04 ♠	$5.39	$5.05	$4.79

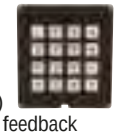
Alcoswitch SMT DIP Switch



- Base/cover: PPS, UL94V-0
- Actuator: LCP, UL94V-0
- Life cycle: 1,000 cycles
- Dielectric strength: 300VAC
- Contacts and terminals: copper alloy, gold over nickel plating • Insulation resistance: 100mΩ min.
- Contact rating: 100mA @ 5VDC (non switching); 25mA @ 24VDC (switching) • Length: 0.444"
- Contact resistance: 100mΩ max. • Pos.: 8

Part No.	Product No.	1	10	100
835972	GDH08S04 ♠	$3.69	$3.45	$3.25

16-Button Keypad Switch



- ½" button centers • Flange mounted
- Top surface or sub-surface mounting
- Voltage breakdown: 250VAC
- Contact resistance: 10Ω maximum (compatible with MOS, TTL, and DTL)
- Snap-dome contact provides positive feedback
- Rating @ 24VDC: 10mA resistive • 4" x 4" grid
- Life expectancy: 3,000,000 operations per button

Part No.	Product No.	1	10	100
302025	86BB2-006	$21.49	$19.95	$17.95

JAMECO ValuePro 16-Button Numeric Keypad



- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H

Part No.	Description	1	10	100
169245	Numeric keypad	$8.79	$7.78	$7.00

JAMECO ValuePro 12-Button Telephone Keypad



- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H

Part No.	Description	1	10	100
190562	Numeric keypad	$8.75	$7.45	$5.59

16-Button Indoor/Outdoor Keypads



196171



152063

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Recommended connector: P/N 103191 header and P/N 100766 pin
- Size (housing): 4.7"W x 1.7"H x 0.4"T

✳ **Minimum order 10 pieces**

Part No.	Description	1	10	100
196171	2x8 matrix keypad	$16.95	$15.29	$13.75
152063	4x4 matrix keypad	14.95	13.49	11.95
103191	Header housing (10-pin)	.42	.39	.36
100766	Header pin	✳	.154	.121

Panasonic® Signal Relays

For more Panasonic Relays visit www.Jameco.com

AGQ Series Low Signal Relay

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A) 30VDC	125VAC	Pins	Dimensions (L" x W" x H")	Pricing
760341	AGQ2004H♠	1A	DPDT	4.5	145	31	1.0	0.3	8	0.42 x 0.28 x 0.21	★ Call/Web

★ Please call or visit our website for minimum order quantity and pricing

AGQ Series Low Signal Relay (SMD)

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A) 30VDC	125VAC	Pins	Dimensions (L" x W" x H")	Pricing 1	25	50
760368	AGQ200A03	2B	DPDT	3	64.2	46.7	1.0	0.3	8	0.42 x 0.28 x 0.21	$4.69	$4.25	$4.09

DS Series Low Signal Relays (High Sensitivity & Standard Coils)

760616	DS1E-S-DC5V	3C	SPDT	5	125	—	2.0	2.0	5	0.59 x 0.39 x 0.37	$6.09	$5.99	$5.33
760595	DS1E-S-DC12V	3C	SPDT	12	720	—	2.0	2.0	5	0.59 x 0.39 x 0.37	6.09	5.98	5.32
842734	DS1E-M-DC12V ♠	3C	SPDT	12	360	—	2.0	2.0	5	0.59 x 0.39 x 0.37	4.25	3.85	3.51
842769	DS1E-M-DC24V ♠	3C	SPDT	24	1440	—	2.0	2.0	5	0.59 x 0.39 x 0.37	4.25	3.99	3.74
842849	DS2E-M-DC5V	4D	DPDT	5	62.5	80	2.0	2.0	8	0.79 x 0.39 x 0.37	3.05	2.96	2.64
842953	DS2E-S-DC5V	4D	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.37	3.79	3.67	3.26
760691	DS2E-S-DC9V	4D	DPDT	9	405	—	2.0	2.0	8	0.79 x 0.39 x 0.37	4.15	3.82	3.39
842793	DS2E-M-DC12V	4D	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.37	3.05	2.75	2.63
842902	DS2E-S-DC12V	4D	DPDT	12	720	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.79	3.69	3.26
842814	DS2E-M-DC24V	4D	DPDT	24	1440	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.05	2.96	2.63
842937	DS2E-S-DC24V ♠	4D	DPDT	24	2880	8.3	2.0	2.0	8	0.79 x 0.39 x 0.37	3.69	3.53	3.25
843041	DS4E-S-DC12V	5E	4PDT	12	720	—	2.0	2.0	14	1.39 x 0.39 x 0.37	7.09	6.77	6.45

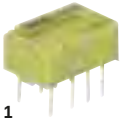
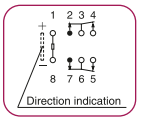


Fig. 1



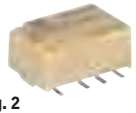
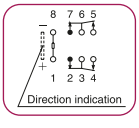


Fig. 2



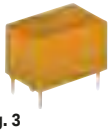
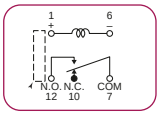


Fig. 3



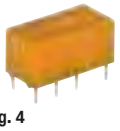
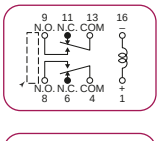


Fig. 4



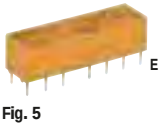
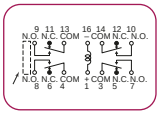


Fig. 5



Panasonic Signal Relays continued on next page.

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212*

Panasonic®

Signal Relays (Continued)

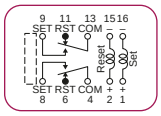
For more Panasonic Relays, visit www.Jameco.com


Fig. 6

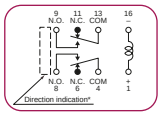

Fig. 7


Fig. 8


Fig. 9



F



G

DS Series Dual Coil Latching Relay (High Sensitivity & Standard Coils)

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A) 30VDC	Contact Rating (A) 125VAC	Pins	Dimensions (L" x W" x H")	Pricing 1	Pricing 25	Pricing 50
842873	DS2E-ML2-DC12V	4F	DPDT	12	400	30	2.0	2.0	10	0.79 x 0.39 x 0.39	$3.65	$3.52	$3.13

DS2Y Series Low Signal Relay

842996	DS2Y-S-DC5V ♻	6G	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.39	$2.55	$2.41	$2.14

TK Series Low Signal Relays

843366	TK1-5V ♻♠	7H	SPDT	5	178	28.1	2.0	0.5	6	0.42 x 0.35 x 0.16	$4.29	$3.99	$3.55
843331	TK1-12V ♻♠	7H	SPDT	12	1028	11.7	2.0	0.5	6	0.42 x 0.35 x 0.16	4.29	3.99	3.55

TN Series Low Signal Relays

843454	TN2-5V♠	8I	DPDT	5	178	28.1	1.0	0.5	8	0.55 x 0.22 x 0.39	$3.35	$3.15	$2.89
843391	TN2-12V♠	8I	DPDT	12	1028	11.7	1.0	0.5	8	0.55 x 0.22 x 0.39	3.59	3.29	2.99
843420	TN2-24V ♻♠	8I	DPDT	24	2880	8.3	1.0	0.5	8	0.55 x 0.22 x 0.39	3.79	3.45	3.35

TQ Series Low Signal Relays

761563	TQ2-3V ♻	9J	DPDT	3	64.3	46.7	1.0	0.5	10	0.55 x 0.35 x 0.20	$2.59	$2.41	$2.14
843542	TQ2SA-5V ♻♠	10K	DPDT	5	178	28.1	2.0	0.5	10	0.55 x 0.35 x 0.20	2.79	2.55	2.44
843500	TQ2SA-12V ♻♠	10K	DPDT	12	1028	11.7	2.0	0.5	10	0.55 x 0.35 x 0.20	2.79	2.74	2.44

TQ Series Dual Coil Latching Relays

761660	TQ2-L2-5V	9L	DPDT	5	125	40.0	1.0	0.5	10	0.55 x 0.35 x 0.20	$3.15	$2.87	$2.54
761686	TQ2-L2-24V ♻♠	9L	DPDT	24	1920	12.5	1.0	0.5	10	0.55 x 0.35 x 0.20	3.59	3.39	2.79

TX Series Low Signal Relays

761871	TX2-L2-5V	11M	DPDT	3	64.3	46.7	1.0	—	10	0.59 x 0.29 x 0.32	$3.45	$3.20	$2.95
761846	TX2-4.5V	12N	DPDT	4.5	145	31.0	2.0	—	8	0.59 x 0.29 x 0.32	2.25	2.19	2.13

RK Series High Frequency Relay (1.5GHz)

843323	RK1-5V ♻	13O	SPDT	5	125	40.7	0.5	—	9	0.80 x 0.44 x 0.38	$9.15	$8.42	$7.49

Power Relays

DSP Series General Purpose Relays

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A) 30VDC	Contact Rating (A) A@VAC	Pins	Dimensions (L" x W" x H")	Pricing 1	Pricing 25	Pricing 50
843075	DSP1-DC12V ♻♠	14P	DPST-NO/NC	12	480	25.0	5.0	5.0	6	0.79 x 0.43 x 0.41	★	Call	Call
843104	DSP1-DC24V♠	14P	DPST-NO/NC	24	1920	12.5	5.0	5.0	6	0.79 x 0.43 x 0.41	6.39	5.79	5.29

HC Series Miniature Power Relays

760798	HC2-H-DC12V ♻[1]	15Q	DPDT	12	160	75.0	—	7.0	8	1.07 x 0.82 x 1.38	$7.99	$7.35	$6.53
760894	HC4-HP-DC12V♠[2]	15R	4PDT	12	160	75.0	—	5.0	14	1.07 x 0.82 x 1.38	9.25	8.55	7.59
760851	HC4-H-AC24V[1]	15R	4PDT	24VAC	—	50.0	—	5.0	14	1.07 x 0.82 x 1.38	11.29	10.49	8.79

HL Series Space Saving Power Relay

760931	HL1-HTM-DC24V[3]	16S	SPST	24	650	37.0	15A @ 125VAC		5	1.69 x 0.81 x 1.35	★	Call	Call

JQ Series High Noise Immunity Power Relay

761037	JQ1-5V♠	17T	SPDT	5	62.5	80.0	5.0	5.0	5	0.79 x 0.39 x 0.61	★	Call	Call

JS Series Power Relays

843155	JS1-5V	18U	SPDT	5	72	69.4	—	10.0	5	0.87 x 0.63 x 0.63	$1.16	$1.09	$.97
843121	JS1-24V	18U	SPDT	24	1600	15.0	—	10.0	5	0.87 x 0.63 x 0.63	1.19	1.09	.95
761088	JS1-48V	18U	SPDT	48	6400	7.5	—	10.0	5	0.87 x 0.63 x 0.63	1.49	1.39	1.25

JW Series Power Relays

843201	JW1FSN-DC24V ♻	19V	SPDT	24	1100	22	10.0	10@250	5	1.13 x 0.50 x 0.79	$2.05	$1.89	$1.69
761336	JW2SN-DC5V ♻♠	20W	DPDT	5	47	106	5.0	5@250	6	1.13 x 0.50 x 0.79	★	Call	Call
843235	JW2SN-DC12V ♻	20W	DPDT	12	270	44	5.0	5@250	6	1.13 x 0.50 x 0.79	2.25	2.11	1.85
843260	JW2SN-DC24V ♻	20W	DPDT	24	1100	22	5.0	5@250	6	1.13 x 0.50 x 0.79	2.35	2.19	1.95

1 Plug-in 2 PCB terminal 3 Top-mount ★ Please call or visit our website for minimum order quantity and pricing

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15

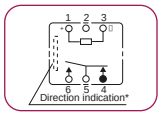

Fig. 16

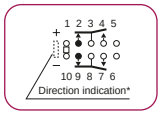

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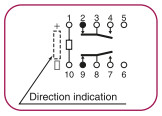

Fig. 18

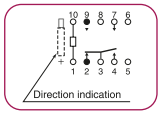

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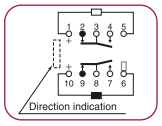

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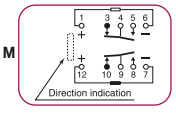
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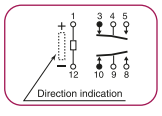
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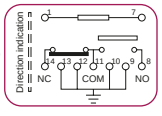
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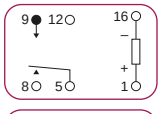
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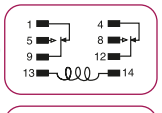
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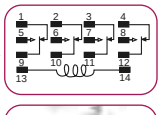
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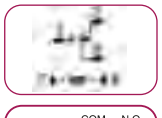
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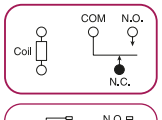
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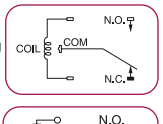
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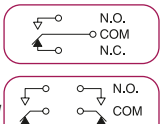
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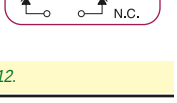
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W


- Logic control levels
- Long life with reliable operation
- Moisture resistant
- Compatible with IC sockets
- Compact design/construction
- Excellent for PCB applications

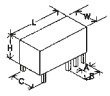
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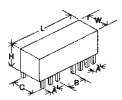

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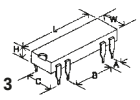

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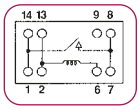
DIP Relays

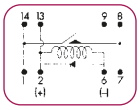
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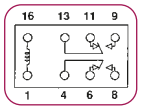

Fig. 1

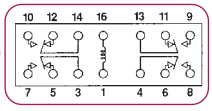

Fig. 2


Fig. 3





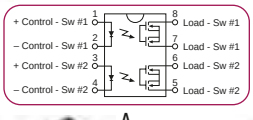


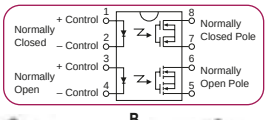


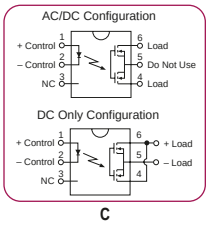
Part No.	Product No.	Manufacturer	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing 1	10	50	100
106463	201A05 R	Excel Cell Elect.	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	$2.59	$2.17	$1.82	$1.50
138431	2D1A05 R	Excel Cell Elect.	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	.77 x .30 x .22	.10 x .40 x .30	2.29	1.95	1.65	1.34
139977	RSB5S	Shin Mei	1C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37372	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311	DS2Y-S-DC12V R	Aromat (NAIS)	1C	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	.79 x .40 x .43	.20 x .40 x .30	2.59	2.38	2.12	1.80
99901	LX200D00	Clare	1C	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
136549	DS4E-M-DC5V	Aromat	2D	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	6.15	5.91	5.43	4.74
176313	DS4E-M-DC12V R	Aromat	2D	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	5.99	5.74	5.45	4.96

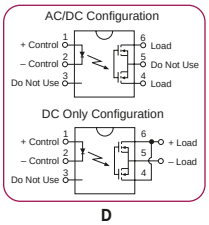
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OptoMOS® Solid State Relays









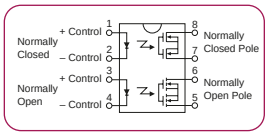



Fig. 1


Fig. 2


Fig. 3

For more Clare Relays visit www.Jameco.com

Part No.	Product No.	Package	Description	Fig.	Load Voltage (V)	Current Handling (mA)	On-Resistance (ohms)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (µA)	Switching Speed (on/off) (ms)	Pricing 1	25	50
1582903	LAA110 R	DIP-8	Dual single pole, 1-Form-A	1A	350	120	35	3750	5	1	3/3	$3.45	$3.15	$2.89
1582911	LAA110P R	Flatpack-8	Dual single pole, 1-Form-A	2A	350	120	35	3750	5	1	3/3	3.95	3.65	3.42
1582920	LAA110S R	SOIC-8	Dual single pole, 1-Form-A	3A	350	120	35	3750	5	1	3/3	3.95	3.65	3.42
1582938	LAA120 R	DIP-8	Dual pole, 2-Form-A	1A	250	170	20	3750	5	1	5/5	4.99	4.19	3.45
1582946	LAA125S R	DIP-8	Dual pole, 2-Form-A	1A	350	170	16	3750	5	1	5/5	4.75	3.99	2.89
1582954	LAA127 R	DIP-8	Dual pole, 2-Form-A	1A	250	200	10	3750	5	1	5/5	6.19	5.39	4.89
1582962	LBA110 R	DIP-8	Dual pole, 1-Form-A & 1-Form-B	1B	350	120	35	3750	2	1	3/3	4.25	3.94	3.70
1582971	LBA110P R	Flatpack-8	Dual pole, 1-Form-A & 1-Form-B	2B	350	120	35	3750	2	1	3/3	4.25	3.94	3.70
1582989	LBA110S R	SOIC-8	Dual pole, 1-Form-A & 1-Form-B	3B	350	120	35	3750	2	1	3/3	4.25	3.94	3.70
1582997	LCA110 R	DIP-6	Single pole, 1-Form-A	1C	350	120	35	3750	2	1	3/3	1.75	1.59	1.49
1583009	LCA110S R	SOIC-6	Single pole, 1-Form-A	3C	350	120	35	3750	2	1	3/3	1.75	1.61	1.51
1583025	LCA120L R	DIP-6	Single pole, 1-Form-A	1D	250	170	20	3750	5	1	5/5	2.99	2.49	2.29
1583041	LCA710 R	DIP-6	Single pole, 1-Form-A	1D	60	1000	0.5	3750	10	1	2.5/0.25	4.75	4.41	4.14
1583164	PLA132S R	SOIC-6	Single pole, 1-Form-A	3D	50	600	1	3750	5	1	5/2	4.49	3.99	3.75
1583050	LCB110 R	DIP-6	Single pole, 1-Form-B	1C	350	120	35	3750	5	1	3/3	2.45	2.24	2.10
1583068	LCB120 R	DIP-6	Single pole, 1-Form-B	1D	250	170	20	3750	5	1	5/5	3.05	2.80	2.63
1583084	LCC110 R	DIP-8	Common input, 1-Form-C	1E	350	120	35	3750	8	1	4/4	3.35	2.99	2.79
1583092	LCC120 R	DIP-8	Common input, 1-Form-C	1E	250	170	20	3750	10	1	5/5	4.35	3.65	3.62
1583148	PAA140A R	SOIC-8	Single pole, 2-Form-A	3A	400	250	8	3750	50	1	3/1	6.55	6.07	5.69

crydom

Solid State Relays


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7

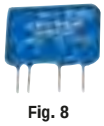

Fig. 8


Fig. 9

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Part No.	Product No.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing 1	10	50
467487	AO241*	4V - 10VDC	DC/AC	SPST-NO	24V - 280V	0.025A - 1A	4	1	Solder leads	UL/CSA/CE	0.95 x 0.20 x 0.50	$9.95	$9.46	$9.01
467508	ASO241♠✪*	4V - 10VDC	DC/AC	SPST-NO	24V - 280V	0.025A - 1A	4	1	Solder leads	UL/CSA/CE	0.70 x 0.20 x 0.50	10.09	9.59	9.14
468156	CX240D5R♠✪**	3V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	2	Solder leads	UL/CSA/VDE/CE	1.70 x 1.00 x 0.30	10.09	9.59	9.14
468498	D2410♠✪	3V - 32VDC	DC/AC	SPST-NO	24V - 280V	10A	4	3	Screw terminal	UL/CSA/VDE/CE	1.80 x 0.90 x 2.30	34.25	32.63	31.09
468771	D2W203F♠*	3V - 32VDC	DC/AC	—	24V - 280V	0.06A - 2A	4	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	10.45	9.94	9.47
468789	D2W203F-11♠*	3V - 32VDC	DC/AC	—	24V - 280V	0.6A - 35A	4	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	11.09	10.55	10.05
480260	MCX240D5♠✪	3V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	5	Solder leads	UL/CE	1.70 x 0.40 x 1.00	12.25	11.66	11.10
480518	PF240D25♠✪***	3V - 15VDC	DC/AC	—	12V - 280V	0.06A - 25A	4	6	Solder leads	UL/VDE/CE	1.70 x 1.35 x 0.90	22.35	21.28	20.28
481027	TD2425♠✪*	3V - 32VDC	DC/AC	SPST-NO	24V - 280V	25A	4	3	Screw terminal	UL/CSA/VDE/CE	1.80 x 0.90 x 2.30	34.69	32.63	31.09
467903	CMX60D10♠✪	3V - 10VDC	DC/DC	SPST-NO	0V - 60V	0A - 10A	4	7	Solder leads	UL	1.70 x 1.00 x 0.30	33.19	31.61	30.09
127790	D2W202F	3V - 32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder Lead	UL/CSA	1.70 x 0.40 x 1.30	8.05	7.84	7.32
478805	DMO063	3V - 10VDC	DC/DC	SPST-NO	0V - 60V	0A - 3A	4	9	Solder leads	—	0.70 x 0.20 x 0.50	17.35	16.49	15.70

* Triac output ** Random turn-on *** SCR output ✪ Blue Part No. = Limited Quantity Available

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

RoHS RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Zero crossing

For more Solid State Relays visit www.Jameco.com


164996 (Fig. 1)


153059 (Fig. 2)


162342 (Fig. 3)


192815 (Fig. 4)


176698 (Fig. 5)


176736 (Fig. 6)



187004 (Fig. 7)

Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing 1	10	50	100
Solid State Relays DC/AC Type																
164988	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	**$3.95**	**$3.49**	**$2.95**	**$2.25**
164996	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	**5.45**	**4.89**	**3.92**	**2.94**
153059	KSD203AC2 ♻	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	**10.09**	**9.06**	**8.05**	**7.34**
162342	ESR51024-010 ♻	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	**19.15**	**17.27**	**15.55**	**13.99**
162369	ESR51024-025 ♻	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	**26.35**	**23.75**	**21.35**	**19.27**
162406	ESR51024-040 ♻	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	**27.59**	**24.84**	**22.44**	**20.16**
192815	KSD240AC8 ⊕	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	4	Screw Terminal	—	1.8 x 0.6 x 2.3	**24.09**	**21.64**	**19.48**	**17.54**
175214	KB20C02A ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 1.5	**5.95**	**5.69**	**5.32**	**5.05**
176698	KB20C06A ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	**10.89**	**9.80**	**8.71**	**7.84**
176719	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	**19.99**	**17.99**	**16.19**	**14.59**
176736	KD20C75AX ♻	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	**39.95**	**35.99**	**32.39**	**29.15**
186992	G3NA-210B-DC5-24 ⊕	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	**14.29**	**13.55**	**12.89**	**12.25**
187004	G3NA-220B-DC5-24 ⊕	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	**19.95**	**17.95**	**15.59**	**13.95**
Solid State Relays DC/DC Type																
172591	KF0602D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	**$11.95**	**$10.74**	**$9.54**	**$8.34**
175222	KF0604D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder Lead	—	1.5 x 0.3 x 0.9	**13.95**	**12.99**	**12.69**	**12.32**
176648	KG1005D ♻	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	**26.99**	**24.29**	**21.79**	**19.59**
176655	KG1010D ⊕	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	**29.99**	**26.99**	**24.29**	**21.89**

Small High-Current PC Mount Relays

For more PC Mount Relays, visit www.Jameco.com

While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500V_{RMS} (between contact and coil)

144186: For use with universal relay card (P/N 128910, see web)

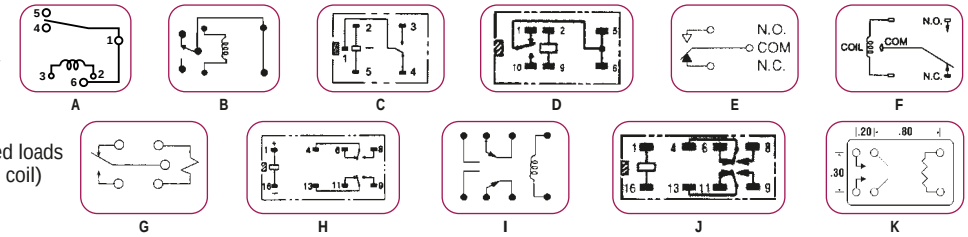



Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9

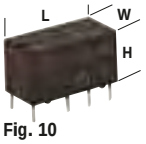


Fig. 10

Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing 1	10	50	100
145753	L90A-12W ♻ *	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	**$2.45**	**$2.10**	**$1.85**	**$1.49**
134949	L90-5W ⊕	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	**2.29**	**2.06**	**1.65**	**1.24**
174450	LU-5 ♻	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	**1.99**	**1.79**	**1.65**	**1.59**
187151	G5LE-1DC5 ♻	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	**1.41**	**1.38**	**1.34**	**1.27**
187240	G5V-1-DC5 ♻	Omron	—	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	**1.65**	**1.62**	**1.57**	**1.48**
664309	JW1FSN-DC12V	Nais (Aromat)	—	5E	SPDT	12VDC	270	250VAC/30VDC	10	5	1.13 x .51 x .79	**1.85**	**1.65**	**1.40**	**1.24**
172937	JS1-12V	Nais (Aromat)	T72M5D121-12	7F	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	**1.15**	**1.09**	**.97**	**.83**
144186	JZC-22F	Velleman	VR15M121C	2G	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	**3.79**	**3.39**	**3.05**	**2.75**
174432	LEG-12F ♻	Rayex	T7CS5D12	2G	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	**2.09**	**1.80**	**1.66**	**1.52**
187282	G6A-234PSTUSDC5 ♻	Omron	—	8H	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	**3.99**	**3.80**	**3.64**	**3.48**
174378	LM2-12D ♻	Rayex	RKA5DZ12	9I	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	**2.49**	**2.25**	**1.95**	**1.75**
187258	G5V-2-DC12 ♻	Omron	—	10J	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	**2.49**	**2.28**	**2.02**	**1.82**
215909	RKA-7DZ-12	P & B	—	6K	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	**2.29**	**1.95**	**1.69**	**1.39**

*Manufacturer may vary

Commercial Customers

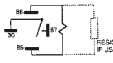
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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A • Terminal type: quick connect
- Coil voltage: 12VDC
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1



Schematic 2


171460 (Fig. 1)


171442 (Fig. 2)


171433 (Fig. 3)

Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Coil Voltage	Pins	Pricing 1	10	50	100
171460	LD1A-12F ♻	VF4-81F11S01	1	SPST-NO	78	1	14VDC	4	$2.29	$2.11	$1.87	$1.55
171442	961A-1A12D ♻	VF4-11F11	2	SPST-NO	90	1	14VDC	4	2.69	2.53	2.46	2.40
148583	LD12F ♻	VF4-85F11	3	SPDT	78	2	12VDC	5	2.49	2.25	1.95	1.75
171433	961A-1C-12DM ♻	VF4-81F11	3	SPDT	90	2	12VDC	5	2.99	2.69	2.25	1.65

Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate



Part No.	Prod. No.	Current Rating (A@VAC)	1	10	50	100
621376	35-2105	5 @ 125/250 ..	$4.75	$3.69	$3.49	$3.29
621392	35-2107	7 @ 125/250	4.75	3.69	3.49	3.29
621405	35-2018	8 @ 125/250	4.75	3.69	3.49	3.29
621413	35-2110	10 @ 125/250	4.75	3.69	3.49	3.29
621430	35-2115	15 @ 125/250	3.25	3.05	2.90	2.75
621448	35-2120	20 @ 125/250	4.75	3.69	3.49	3.29

Potter & Brumfield General Purpose Relays

- Industry standard termination for quick installation • UL/CSA approved
- Wide range of coil voltages for industrial and commercial applications
- Contact arrangements from SPDT to 4PDT

For more P&B General Purpose Relays visit www.Jameco.com


Fig. 1


Fig. 2


Fig. 3

Part No.	Product No.	Tyco No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket* Standard	DIN Rail	Pricing 1	10	25	50
282247	K10P-11A15-120 ♻	4-1393144-0	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	27E488/489	27E895	$7.29	$6.70	$6.14	$6.04
282255	K10P-11D15-12 ♻	5-1393144-5	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	27E488/489	27E895	7.25	6.70	6.15	5.80
282263	K10P-11D15-24 ♻	5-1393144-7	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	27E488/489	27E895	7.29	6.71	6.15	5.99
282301	KHAU-17D11-12 ♻	4-1393122-3	2	4PDT	3A @ 120VAC/28VDC (max)	12VDC	160	100	27E166	27E894	5.85	5.52	5.48	5.45
282343	KRPA-11AG-120 ♻	2-1393104-5	3	DPDT†	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	12.49	11.35	10.41	10.05

* For compatible sockets see page 135 † Silver-cadmium oxide, no lamp

Beta Electric General Purpose Relays

Pin Type Terminals • DPDT

- 8-pin octal style plug • Size: 1.4"L x 1.4"W x 2.7"H
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient oper. temp.: -10°C to +50°C


139766


141145

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766	BTA1-2C-12VDC ⊕	R02-11D10-12	12VDC	$11.55	$11.34	$8.54

Socket for BTA1 Series (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145	PF-083A ⊕	8	2.0"L x 1.6"W x 0.8"H	$4.39	$4.08	$3.31

Relay Sockets

For more P&B Relay Sockets visit www.Jameco.com


282132


282183


282191

Relay Socket for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132	27E122	DPDT	8	Standard	$4.15	$3.82	$3.69	$3.57

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183	27E894	4PDT	14	DIN rail	$6.99	$6.69	$6.39	$5.89

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191	27E895	DPDT	8	DIN rail	$4.75	$4.55	$4.35	$4.19

Relay Socket with Coil Diode

VF4 Type

- 7.5" wire • Diode coil suppression
- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Use with P/N 148583, pg 135



Part No.	Cross Ref. No.	Contact Voltage/Current	1	10	50	100
170624	RSDO3 ⊕	12V/20A	$2.35	$2.15	$1.89	$1.55

CNS Series Multifunction Time Delay Relays

- DPDT
- Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000V_{RMS}, 60Hz between open contacts; 1,500V_{RMS}, 60Hz between all other conductors


282212

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Timing Functions	Pins	1	10	25
282212	CNS-35-92 ⊕	24-240VAC/VDC	4	8	$67.89	$62.23	$56.57
282221	CNS-35-96	24-240VAC/VDC	8	11	79.05	75.46	71.87

General Purpose Relays

JAMECO ValuePro

LB2 Series

- Contact rating: 240VAC/30VDC @ 12A
- DPDT • 8-pin
- Mechanical life: 10,000,000 operations
- Electrical life: 100,000 operations min. at rated load



Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172719	LB2-12DS ♻	K10-11D15-12	12VDC	$5.39	$4.85	$4.31	$3.88
175565	LB2-24DS ♻	K10-11D15-24	24VDC	6.49	5.93	5.32	4.85
175572	LB2-110AS ⊕	K10-11A15-120	110VAC	6.89	6.43	5.96	4.71
175573	LB2-110AS ♻	K10-11A15-120	110VAC	6.89	6.43	5.96	4.71

LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations • 4PDT
- Contact rating: 240VAC/30VDC @ 5A • 14-pin
- Electrical life: 100,000 operations min. at rated load



Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291507	LB4H-12DS ♻	KHAU-17D12-12	12VDC	$4.45	$4.33	$4.20	$4.03
175602	LB4H-24DS ♻	KHAU-17D12-24	24VDC	5.09	4.93	4.77	4.36
175610	LB4H-110AS ⊕	KHAU-17A12-120	110VAC	5.55	5.20	4.92	4.57

Relay Sockets

- DIN rail snap socket for LB2 & LB4H relays

175531



175557



Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175531	PTF-08A-A ♻	27E895	8	$6.65	$5.98	$5.38
175557	PYF-14A-A ♻	27E894	14	4.74	4.02	3.02

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Inductive Proximity Switch Sensors

Cylindrical and Square Styles

For Highly Switch Sensors visit www.Jameco.com

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Fast response
- 6' long cable
- Pre-tinned pigtail
- Short circuit protected
- LED status indicator
- Sensing distance: ±10% (tin)


155547


248858


167020


155571

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.")	Mounting Hole (in.)	Pricing 1	10	25
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	$10.99	$9.99	$8.99
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	21.59	19.43	17.27
155571	TS18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	29.94	25.46	19.10
421201	TS12-05N-1 ⊕	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	23.59	20.05	15.04

Magnetic Proximity Switch Sensors

For C&K Switch Sensors visit www.Jameco.com

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Contact resistance: 100mΩ max. initial
- Operating temp.: -40˚C to 100˚C
- Dielectric strength: 200VDC min.
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Potting: epoxy
- Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive


588131


588182

Part No.	Product No.	Description	1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	$8.35	$7.63	$7.00
588123	MPS20WGW	Standard surface mount, screw terminals, 1¼" make gap	10.59	9.85	9.80
588182	MPS9WGW	3/8" diameter panel mount, recessed magnetic contact, 1¼" make gap (switch and magnet)	8.35	7.64	7.35

Hall-Effect Magnetic Proximity Sensor w/ Snap-Fit Mount

- Solid state reliability
- No mechanical contacts to wear out
- South pole sensitive or bi-polar latch
- Operating voltage range: 4.75-24VDC
- Output saturation voltage max.: 400mV
- Immune to dust, dirt & moisture
- Digital output compatible with all logic families
- Operating temp. range: -40˚C to 85˚C
- Output: 3-wire sink
- Reverse polarity protection to -24V



Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing 1	10	25
513244	MP101301	4	25	300	60	24AWG x 1m	$4.55	$4.05	$3.85

Magnetic Proximity Sensors

- Omnipolar, magnetically activated switch
- Can be approached by any magnet from any angle with either pole
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40˚C to 105˚C


513279


513308

Aluminum Threaded Housing

- Immune to hostile environments
- Suitable for AC/DC circuits

For more Cherry Sensors visit www.Jameco.com

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max.(A)	Op. Time Typical (ms)	Pricing 1	10	25
513279	MP200701	SPST NO	10	175	0.5	0.6	$7.15	$6.80	$6.46

Cylindrical Plastic Housing

- Resistant to dirt and moisture

513308	MP201701	SPST NO	10	175	0.5	0.5	$3.05	$2.67	$2.23

Reed-Based Magnetic Proximity Sensors

Plastic Flange Mount

- Hermetically sealed contacts
- Contact resistance: 0.2Ω max.
- Zero power consumption
- Op. temp. range: -40˚C to 105˚C

AS2018/MP2018 Series • Moisture and dirt resistant


482409


513359

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max.(A)	Op. Time Typical (ms)	Pricing 1	10	25
482409	AS201801	SPST NO	10	175	0.5	0.6	$2.25	$2.15	$2.05

AS2019/MP2019 Series • Suitable for AC/DC circuits • Breakdown volt.: 200VDC min.

482417	AS201901	SPST NO	10	175	0.5	0.6	$3.25	$2.85	$2.38
513359	MP201901	SPST NO	10	175	0.5	0.6	2.85	2.66	2.53

Digital Vane Speed & Proximity Sensors

- Reverse battery protection to -24VDC
- Open collector output compatible with all logic families
- Supply current: 6mA max.
- Output current: 25mA max.
- Operating voltage range: 4.5-24VDC
- Operating temp. range: -40˚C to 85˚C
- Output: P/N 577580 3-pin sink; P/N 577598 3 wire sink
- Sensor body material: glass filled polyester
- Output saturation voltage: 400mV max.


577580

For more Cherry Sensors visit www.Jameco.com

Part No.	Product No.	Termination Pins	1	10	25
577580	VN101501	Pins	$6.09	$5.49	$4.89
577598	VN101503	24AWG x 150mm	5.75	5.39	5.13

Digital Hall-Effect Magnetic Proximity Sensor

Low-Profile Flange Mount

- Reverse battery protection to -24VDC
- Output wire: 3-wire sink
- Output saturation volt. max.: 400mV
- Oper. volt. range: 4.5-24VDC
- Applications: door position sensing, flow sensing, pedal switch
- Supply current: 5.2mA max.
- Output curr.: 20mA max.
- Function: unipolar switch
- Oper. point gauss: 185 max.
- South pole magnet
- Release point gauss: 60 min.



Part No.	Product No.	1	10	25
513252	MP101401	$4.65	$4.36	$4.14

Commercial Grade Gear Tooth Speed Sensor

Hall-Effect w/ Adjustable Aluminum Housing

- Reverse battery protection from 24VDC
- Operating voltage range: 4.5-24VDC
- Supply current: 6mA max.
- Output voltage: 400mV max.
- Output current: 25mA max.
- Wire: 20AWG x 1m
- Oper. temp. range: -40˚C to 125˚C
- Output: sink
- Thread: 15/32" – 32
- Barrel length: 1.0"



Part No.	Product No.	1	10	25
512401	GS100701	$21.39	$20.31	$19.29

Actuator Magnet Speed and Proximity Sensors

- Aluminum housing
- Adjustable thread mounting stud
- Operating temp. range: -40˚C to 150˚C


482388

Part No.	Product No.	Description	1	10	25
482370	AS101001	South pole facing	$4.89	$4.34	$3.61
482388	AS101002	North pole facing	3.65	3.45	3.38

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TD Series Temperature Sensors



- 2kΩ nominal resistance at 20°C • TO-92 package
- Interchangeable without sensor-to-sensor recalibration
- Operating temperature range: -40°C to 150°C (-40°F to 302°F)
- Air or liquid temp. sensing • Volt.: 10V continuous (24 hrs)

Part No.	Product No.	Description	1	10	100
1916230	TD5A♻♠	Temperature sensor	$3.59	$3.22	$2.66

ASCX Series Microstructure Pressure Sensors Signal Conditioned, Amplified



This amplified ASCX series offers a high level (4.5V span) output on a very cost-effective basis. Fully calibrated and temperature compensated over a range of 0°C to 70°C but can be operated from -25°C to 105°C.

- Quiescent current: 4mA • Load condition: 200kΩ • Offset adjust
- Output current: 5mA source; 3mA sink • Supply voltage: 5.01VDC +/-01.VDC

Part No.	Product No.	Operating Pressure	Proof Pressure	Sensitivity	1	10	100
1840061	ASCX15DN♻	Opsid to 5psid	30psid	0.3V/psid	$66.45	$52.28	$49.49

140PC Series Pressure Sensors



1814891

- PCB terminals on opposite side from the ports
- Current sourcing output: 10mA max. • Excitation: 8VDC typical
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Common mode pressure: 40psi • Supply current: 8mA typical

Part No.	Product No.	Type	Pressure Range (psi)	Sensitivity (V/psi)	Overpressure (psi) max.	1	10	100
1814891	143PC03D	Differential	±2.5	1.0	20	$94.99	$80.87	$76.18
1814840	142PC15A	Absolute	0 – 15	0.333	45	97.99	88.32	74.95
1814831	142PC01D	Differential	0 – 1	5,000	2	98.59	88.32	77.96

SCX & SDX Series Microstructure Pressure Sensors, Compensated

The SCX and SDX series sensors provide a very cost-effective solution for pressure applications.

- Supply volt.: 20VDC • Op. temp.: -40°C to 85°C (-40°F to 185°F)
- Typical applications: medical equipment, computer peripherals, pneumatic controls, HVAC • Input/output resistance: 4kΩ • Calibrated zero and span

SCX Series



- Type: Absolute
- Full scale span: 89.1mV min. to 90.9mV max.
- Zero pressure offset: -300µV min. to 300µV max

Part No.	Product No.	Operating Pressure	Proof Pressure	Sensitivity	1	10	100
1913784	SCX15AN♻	0 to 15psia	30psia	6mV/psi	$61.15	$53.96	$50.62

SDX Series



1914082

- Zero pressure offset: -1mV min. to 1mV max.
- SDX05G2: Full scale span – 57.0mV min. to 62.1mV max.
- SDX15A2: Full scale span – 86.85mV min. to 93.15mV max.

Part No.	Product No.	Operating Pressure	Proof Pressure	Type	1	10	100
1914082	SDX05G2♻	0 to 5psid	20psid	Gage	$39.25	$37.25	$35.39
1914103	SDX15A2♻	0 to 15psia	30psia	Absolute	37.59	27.82	27.33

SS400 Series Solid State Digital Position Sensors



1915915

- High output current capability -50mA absolute max.
- Op. temp. range: -40°C to 150°C (-40°F to 302°F)
- Supply voltage: 3.8VDC to 30VDC • Output voltage: 40mV max.
- Supply current: 10mA max. • Output current: 20mA max.
- Output leakage current: 10µA max. • 3-pin SIP package • Output type: sink

Part No.	Product No.	Type	Operating Point @ 25°C	Release Point @ 25°C	1	10	100
1915915	SS466A♻♠	Latching	180 gauss	-180 gauss	$1.59	$1.32	$1.24
1915886	SS441A♻♠	Unipolar	115 gauss	20 gauss	1.79	1.55	1.35
1915843	SS411A♻♠	Bipolar	60 gauss	-60 gauss	1.79	1.56	1.49

SX Series Silicon Pressure Sensor



Designed for use with non-corrosive, non-ionic media such as air and dry gases.

- High impedance bridge • Supply voltage: 12VDC
- Full scale span: 50mV min to 100mV max. • N package
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Low power consumption for battery power • Input & output resistance: 4.1kΩ

Part No.	Product No.	Operating Pressure Range	1	10	100
1916029	SX05DN♻	0psi to 5psi	$41.29	$35.21	$34.12

SCC Silicon Pressure Sensors



1913645

The SCC series sensors offer an extremely low cost sensor element with a temperature stable output when driven with a constant current source.

- Internal temperature compensation • Supply current: 1.5mA
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Input/output impedance: 5kΩ typical • Accuracy: 0.5% • Button package

Part No.	Product No.	Operating Pressure Range	Max. Over Pressure	Full Scale Span (mV)	1	10	100
1913670	SCC15D♻	0 to 15psid	30psi	40 to 95	$23.35	$18.53	$17.29
1913645	SCC100D♻	0 to 100psig	150psig	85 to 225	25.15	19.21	19.12

HIH-4000 Series Humidity Sensors



1860248

1860230

- Designed specifically for high volume OEM
- Direct input to a controller or other device is made possible by this sensor's linear voltage output
- Linear volt. output vs %RH • 3-pin SIP
- Op. temp.: -40°C to 85°C • High accuracy • Current supply: 500µA max.
- Accuracy (best fit straight line): +/-3.5% RH • Volt. supply: 4VDC to 5.8VDC

Part No.	Product No.	Description	1	10	100
1860248	HIH-4000-003♻	IC humidity sensor, 0.10" lead pitch SIP w/ calibration & data printout	$27.15	$21.74	$20.65
1860230	HIH-4000-002♻	IC humidity sensor, 0.05" lead pitch SIP	29.29	21.95	20.23

AWM3000 Series Microbridge Mass Airflow Sensor, Amplified



The AWM3000 series microbridge mass airflow sensor is a dual Wheatstone bridge that is amplified. Heating control circuit and sensing bridge supply circuit are on board.

- Laser trimmed for improved sensor interchangeability
- Output voltage @ trim point: 5V @ 1000sccm
- Flow sensing up to 1.0SLPM

Part No.	Product No.	Flow Range	Power Consumption	1	10	100
1840280	AVM3300V♻	+1000sccm	5mW typical	$78.95	$63.55	$61.29

AWM2000 Series Microbridge Mass Airflow Sensor, Unamplified



The AWM2000 series microbridge mass airflow sensor is a passive device comprised of two Wheatstone bridges. The heat control circuit and sensing bridge supply circuit are required for operation per specifications. These two circuits are not on board and must be supplied in the application.

- Bidirectional sensing capability • Output volt. @ trim point: 30mV @ 100sccm
- Actual mass air flowsensing • Low differential pressure sensing

Part No.	Product No.	Flow Range	Power Consumption	1	10	100
1840247	AWM2100V♻	±200sccm	30mW typical	$65.89	$51.58	$48.52

SS41 Series Low Gauss Bipolar Hall Effect Position Sensor



- Supply current: 6mA typical, 15mA max @ Vs = 6V to 24V
- Output volt.: 0.15V typical, 0.40V max @ -40°C to 125°C
- Reverse power polarity protection • 3-pin SIP
- Op. temp. range: -55°C to 150°C • Bipolar magnetic type
- Op. speed from 0 to over 100kHz • Supply volt.: 4.5VDC to 24VDC

Part No.	Product No.	Op. Point @ 25°C	Release Point @ 25°C	1	10	100
1915835	SS41♻♠	200 gauss	-200 gauss	$1.81	$1.63	$1.48

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New | Sale | Lower$ | QtySave

Fujikura -1.1 to 2.5 PSI Pressure Sensor



- Measurable pressure range: -1.1 to 2.5 PSI
- Operating volt.: 5V @ <10mA
- Maximum excitation voltage: 8V
- 1/8" diameter tubing is applicable
- Pressure media: non-corrosive gas
- Pre-calibration of offset volt. & span
- Maximum load pressure: twice rated pressure
- Pressure type: gauge pressure • Volt-level output
- On-chip amplification and temp. compensations
- Size: .55"L x .47"W x .20"H

SALE

Part No.	Product No.	1	10	100
196103	XFPN-025-KPGRNW1	$24.95	$22.45	$20.21

0 to 1.45 PSI Pressure Sensor



- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- 1/8" diameter tubing applicable
- Operating volt. (typical): 3VDC @ 6mA
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)
- Max. pressure (P_{MAX}): 75kPa (10.875 PSI)
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls

Part No.	Product No.	1	10	100
218827	MPX10GS	$8.99	$7.64	$5.74

Avago Optical Sensors

Fully integrated modules for applications which require optical-reflective sensing. Packaged in a TO-5 metal sealed package.



- Resolution: 0.19mm
- Wavelength: 700nm

Part No.	Product No.	1	10	100
1548801	HBC-1100	$36.29	$33.86	$31.75

The APDS-9002 is a low-cost analog output ambient light photo sensor in a miniature chip LED lead-free surface mount package. It consists of a spectrally suited phototransistor, which peaks in human luminosity curve.



- Supply voltage: 2.4V to 5.5V • Fall time: 0.8 ms
- Oper. temp.: -40˚C to 85˚C • Rise time: 0.95 ms
- Dark current: 50mA • Light current ratio: 1.2

Part No.	Product No.	1	10	100
1548511	APDS-9002-021	$.79	$.73	$.69

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Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case



136654

136654: Transmit/Receive Set

- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Lead length/spacing: 0.39"
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)
- Case size: 0.47"H x 0.62" Dia.

139492: Transmit/Receive Set



139492

- Capacitance: 2000pF ±20%
- Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)
- Case size: 0.30"H x 0.43" Dia.

Part No.	Cross Ref.	1	10	50
136654	40TR16F	$7.95	$6.29	$5.65
139492	40TR12B	7.69	6.96	6.26

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JAMECO ValuePro Sonic Transducers and Buzzers

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Magnetic Transducers

• Applied voltage: 1/2 duty, square wave

Part No.	Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100	1000
207917	DB105GFPN ⊕	1	1.5/30	1 – 2	2048	75	.22"H x .47"Dia.	$1.59	$1.17	$1.00	$.87
138722	DB111A-PN	2	1.5/10	1 – 2	2048	80	.32"H x .46"Dia.	1.55	1.38	1.18	.88
138740	DBX05-PN	2	5/40	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500	SBT-1205	2	5/40	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
Other Manufacturers — Great Deals											
1537408	QMB-01	6	1.5/15	—	2048	80	.53"H x .63"Dia.	$1.29	$1.19	$1.05	$.75



Fig. 1



Fig. 2



Fig. 3

Magnetic Buzzers

76065	TDB05-PN	5	5/30	4 – 7	2300	85	.35"H x .46"Dia.	$2.99	$2.79	$2.69	$2.59
207976	TDB12 ⊕	5	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.15	1.98	1.68	1.59



Fig. 4



Fig. 5



Fig. 6

Piezo Buzzers

336276	PT-1250W ⊕	7	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	$1.59	$1.27	$1.20	$1.08
123537	11D3240 ⊕ ✪	9*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
336989	SC616N ⊕	8C	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	13.65	12.29	9.83	7.37
335557	MSR320	10	3–20/3–16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.38	2.16	1.98
76021	7S3240-LA ⊕	11	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	6.49	6.10	5.84	5.58
335695	PF-20A35EW ⊕	11F	12/10	3 – 28	3500	95	25mm H x 28mm Dia	4.29	3.66	3.36	3.09
207993	SL15R3120LA	12	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336314	PT-2038FW	4	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.38	1.31	1.26	1.14
138712	32S4120-PN	5	12/7	3 – 16	4000	80	.30"H x .54"Dia.	3.45	2.95	2.70	2.50
196357	AI-175	5	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	3.15	2.83	2.47	1.85
335855	PK-12N40P ⊕	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.95	3.16	2.69	2.42
Other Manufacturers — Great Deals											
454521	MSR3205	10	20/16	3 – 20	3400	80	39"H x .91"Dia.	$6.99	$6.29	$5.69	$5.09
673900	SEP-1172	13	3-28/7	3 – 28	3300	81	62"H x 1.27"Dia.	1.95	1.75	1.29	.97



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

* Dual tone C = Continuous tone F = Fast pulse ✪ Blue Part No. = Limited Quantity Available

Mechanical/Electromechanical Buzzers

24872	63S109LA	14	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	$2.49	$2.19	$1.99	$1.79
140695	63S1120-LA ⊕	14	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.69	1.54	1.39	1.11



Fig. 13



Fig. 14

Piezo Sirens

336188	PS-520 ⊕	12	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mmH	$9.25	$8.33	$6.66	$5.96
336225	PS-562	15	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13



Fig. 15

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Omni-directional Electret Condenser Microphone Cartridges

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Applications:
- Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors
- Modems for computers
- Used for recording, testing, and monitoring


160979


136574 & 320179

Part No.	Type	Sensitivity	Impedance	Frequency (Hz)	Max. Op. Volt. (VDC)	Stand Op. Volt. (VDC)	Current (Max.)	Sensitivity Reduction	S/N Ratio	Terminals	Size (H x Dia.)	Pricing 1	10	100	1000
160979	WM-64PKT	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	**$.72**	**$.65**	**$.52**	**$.39**
136574	WM-60PC℞	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	**.59**	**.54**	**.49**	**.44**
320179	EM-99℞	-64 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	**1.49**	**1.25**	**.99**	**.81**

Round Ferrite Speakers

For speaker wire, see page 84

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm


135589 Side


135589 Back

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	10	100
320362	TRF-050F⊕	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	**$2.09**	**$1.64**	**$1.24**
135589	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	**1.59**	**1.33**	**1.09**
10840	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	**1.59**	**1.43**	**1.07**

Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm


99996 Side


99996 Back

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	10	100
135693	FEB200⊕	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	**$1.65**	**$1.48**	**$1.32**
31959	FEB216℞	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	**2.69**	**2.39**	**2.15**
99996	FEB204℞	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	**2.55**	**2.28**	**2.02**

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

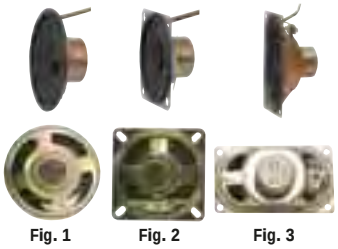

34025 Side


34025 Back

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	10	100
34025	AZ30S℞	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	**$2.03**	**$1.83**	**$1.62**
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	**1.95**	**1.75**	**1.49**
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	**2.49**	**2.24**	**1.68**

AlNico Speakers

- For computer case use
- Paper diaphragm
- Wide frequency response
- Pre-tinned solder lugs
- Large magnet
- Impedance: 8Ω


Fig. 1 Fig. 2 Fig. 3

Part No.	Mfg. P/N	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	10	100
88411	A0200℞	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	**$1.79**	**$1.55**	**$1.25**
684730	A0202C	1	2.6 x 0.9	0.5	1.0	88	350 – 5000	0.9 x 0.5	**1.89**	**1.69**	**1.49**
135765	RA2425	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	**1.89**	**1.69**	**1.52**
111588	B0102℞	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	**2.79**	**2.26**	**1.86**
135812	A1527C02℞	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	**3.65**	**3.09**	**2.79**

Micro Speakers

Quantity SAVE


Front Back

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	10	100
355514	GC0201M	1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	**$1.39**	**$1.12**	**$.84**

1.2" (30mm) PCB Mountable Speaker



- Round frame design
- Ideal for PC board mounting
- Mylar diaphragm
- Impedance: 8Ω
- Output SPL: 82 dB
- Pin spacing: 15mm
- Dimensions: 1.2"Dia. x 0.5"D
- Frequency range: 700 – 5000Hz
- Nominal input: 0.15W; max. input: 0.2W

Quantity SAVE

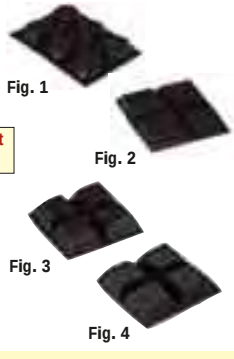
Part No.	Cross Ref. No.	Description	1	10	100
135722	PCM415 ⊕	Solder leads	**$2.15**	**$1.79**	**$1.34**

3M Adhesive Rubber Feet

These durable, pressure sensitive, adhesive-backed urethane bumpers provide many high performance advantages: adhere quickly and stay in place on a variety of surfaces, resist marring and staining on surfaces, and give excellent skid and abrasion resistance.

For more 3M Adhesive Rubber Feet visit www.Jameco.com

Bumpon™ Protective Products


Fig. 1 Fig. 2 Fig. 3 Fig. 4

Part No.	Product No.	Type	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKC℞	Black cylindrical	1	100	.50 x .14 ..	**$6.99**	**$5.99**	**$5.49**
142771	SJ5008BLKC℞	Black square	2	100	.50 x .12	**7.99**	**5.99**	**4.99**
142682	SJ5018BLKC℞	Black square	3	100	.50 x .23 ..	**10.49**	**8.99**	**7.99**
126981	SJ5023BLK4℞	Black square	4	4	.81 x .30	**1.95**	**1.75**	**1.59**
142666	SJ5023BLKC℞	Black square	4	100	.81 x .30 ..	**14.99**	**12.99**	**10.99**

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

Color Instrumentation Knobs
(1/4" Shaft Diameters)

JAMECO ValuePro — A Jameco EXCLUSIVE

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft
- All photos on **www.Jameco.com**


Fig. 1 265077


Fig. 2 265018


Fig. 3 265228

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.")	Fig.	1	10	100
265051	JK-905A	Black/red	White	.58 x .57	1	$.99	$.89	$.79
265077	JK-905C	Black/blue	White	.58 x .57	1	.92	.73	.66
265018	JK-904A	Black/red	White	.47 x .78	2	.99	.93	.88
265261	CR-MS-5C5-T18 *	Grey	Grey	.68 x .51	3	.69	.60	.56
265244	CR-MS-3C5-T18 *	Grey	Blue	.68 x .51	3	.79	.67	.61
265228	CR-MS-1C5-T18 *	Grey	Red	.68 x .51	3	.74	.66	.495

* For use with 1/4" knurled shaft

Aluminum Instrumentation Knobs
(1/8" and 1/4" Shaft Diameters)

JAMECO ValuePro

Includes: Set screw for secure attachment

290125: Coarse surface for sensitive control; 1/8" shaft dia.


Fig. 1


Fig. 2


Fig. 3


Fig. 4

Part No.	Cross Ref. No.	Fig.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
290125	42008-1	1	1/8"	Silver	Silver	.500 x .625	$1.99	$1.79	$1.61
162481	K5-1/4S	2	1/4"	Chrome	Silver	.500 x .560	1.19	1.09	.96
162499	K5-1/4B	3	1/4"	Black	White	.500 x .560	1.85	1.59	1.19
138482	KN031	4	1/4"	Alum.	Black	.610 x .650	1.95	1.76	1.55
138502	KN032	4	1/4"	Alum.	Black	.870 x .750	2.35	2.05	1.85
138511	KN033	4	1/4"	Alum.	Black	1.18 x .870	2.49	2.24	1.95

Black Instrumentation Knobs
(1/4" Shaft Diameters)

JAMECO ValuePro

- Set screw for secure attachment
- RN-112A/113A/114A: numeric dial type

For more ValuePro Knobs visit www.Jameco.com


264998


265009


264920


264955


264990


264883


264892


102788


104176


202287


136241


138393

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
264998	JK-902A	Black	White	.69 x 1.31	$.89	$.67	$.62
265009	JK-902B	Black	White	.60 x .95	.59	.55	.51
264920	JK-901A	Black/alum	White	.79 x 1.77	1.21	1.06	.98
264955	JK-901C	Black/alum	White	.61 x 1.06	.75	.59	.54
264990	JK-901D	Black/alum	White	.47 x .78	.75	.59	.55
264883	RN-112A	Black/alum	Numeric	.90 x 1.46	.99	.93	.88
264892	RN-113A	Black/alum	Numeric	.70 x 1.15	.99	.93	.88
102788	JK-903C	Black	White	.54 x 1.25	.66	.45	.41
104176	JK-902C	Black	White	.49 x .75	1.04	1.01	1.00
202287	CP-Z1-M-S	Black/alum	White	.60 x .80	.79	.69	.64
136241	GKB-214	Black/alum	White	.52 x .54	.78	.66	.59
138393	41108-1	Black/alum	White	.56 x .85	.99	.75	.69

Alcoswitch Knobs



Straight Knurl w/ Indicator Line

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550678	KN900A1/4	Natural	1/4"	.625 x .949	$9.95	$9.43	$8.96

Keystone Hardware

For more Keystone Hardware visit www.Jameco.com

4-40 Mounting Bracket



- Material: zinc plated
- **Minimum order 5 pieces**

Part No.	Product No.	Description	Size (H"xL"xW")	5	50
1581530	621	L-type, steel	.343 x .375 x .250	$.219	$.197

Rubber Grommet



- .062" panel thickness
- .437"ID x .812" mounting hole

Part No.	Product No.	1	5	50
1581556	747	$.57	$.51	$.44

.250" Swage Threaded 4-40



- Brass nickel plated
- **Minimum order 5 pieces**

Part No.	Product No.	Description	Shank Diameter	5	100
1582428	1560A	Round .125"H	.187"	$.323	$.176

Spacer



- Nylon 6/6, UL94V-0
- .156"/.187" mounting hole
- Slimline lock-in, ins.
- **Minimum order 10 pieces**

Part No.	Product No.	Description	Diameter	10	100
1582452	1930B	.625"L	.275"	$.11	$.099

#8 Aluminum screw



- Clear hole
- **Minimum order 5 pieces**

Part No.	Product No.	Description	Size	5	50
1581492	415	.437"L	.176" ID x .232" OD	$.174	$.157

RAF Thumbscrews

Washer-Face Aluminum


Washer-Face


Plain

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393976	7100-A	4-40	5/16"	5/8"	$1.55	$1.47	$1.40	$1.33
394004	7106-A	8-32	3/8"	11/16"	1.69	1.61	1.53	1.45

Plain Aluminum

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394063	7125-A	6-32	3/8"	9/16"	$1.49	$1.42	$1.35	$1.28

RAF Instrumentation Handle



- 32 threads
- Oval diameter: 5/8"
- Material: brass, nickel plate

Quantity SAVE

Part No.	Size (L" x H" x T")	1	10	100
216821	3.0 x 1.3 x 0.3	$2.49	$2.12	$1.59

Keystone Instrumentation Handle



- 8-32 internal thread
- Size: 4.0"L x 1.5"H x .375"T
- Material: aluminum, black anodized
- Diameter: .250"
- Fully Insulated

Part No.	Product No.	Description	1	5	50
1582196	7174	Round	$3.49	$3.28	$3.17

PCB Standoff Mounting Hardware

- Snap "on"
- Nylon
- **Minimum order 10 pieces**


28337


129252


148056

Part No.	Cross Ref. No.	Dimensions	Holes	10	100	1000
28337	PCST	1.2"L x 0.6"W	0.2"	$.084	$.075	$.048
129252	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3"	.184	.112	.077
148056	PCST3	0.8"L x 0.5"W	0.1"/0.2"	.09	.077	.058

RoHS compliant product — This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

RAF Aluminum & Brass Threaded Standoffs

For more RAF Standoffs visit www.Jameco.com

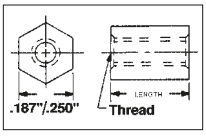
† Finish: Iridite (clear)[1] per MIL-C-5541-D; bright tin plate[2]; stainless steel[3]



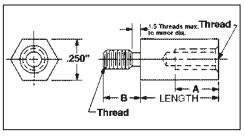
Hex .187"/.250" Female



Hex .250" Male/Female



.187"/.250" Hex Female (Fig. 1)



.250" Hex Male/Female (Fig. 2)

.187" Hex Female

4-40 Thread (Fig. 1) .187" Hex

• 5 piece multiple

Part Number	Metal†	Hex Length	Pricing 5	100	1000
175636	Brass ⊕[2]	.187"	$.21	$.15	$.10
102795	Brass ⊕[2]	.240"	.263	.188	.125
133613	Alum [1]	.250"	.213	.128	.096
133640	Alum [1]	.500"	.224	.211	.115
139185	Alum [1]	1.000"	.44	.39	.34

.250" Hex Female

4-40 Thread (Fig. 1) .250" Hex

• 5 piece multiple

Part Number	Metal†	Hex Length	Pricing 5	100	1000
139193	Alum [1]	.250"	$.18	$.14	$.095
77501	Alum [1]	.375"	.21	.16	.093
134763	Alum [1]	.437"	.21	.18	.15
108371	Alum [1]	.500"	.255	.173	.102
77519	Alum [1]	.625"	.37	.20	.15
133605	Alum [1]	.750"	.354	.192	.142
139206	Alum [1]	1.000"	.368	.263	.158

.250" Hex Female

6-32 Thread (Fig. 1) .250" Hex

• 5 piece multiple

Part Number	Metal†	Hex Length	Pricing 5	100	1000
77535	Alum [1]	.250"	$.25	$.16	$.092
133592	Alum [1]	.375"	.303	.136	.094
77543	Alum [1]	.500"	.22	.17	.10
77552	Alum [1]	.625"	.26	.19	.14
77570	Alum [1]	.750"	.309	.232	.144
77578	Alum [1]	1.000"	.42	.36	.192
143408	Alum [1]	1.500"	.65	.55	.45
143441	Alum [1]	1.750"	.65	.55	.49

.250" Hex Male/Female

4-40 Thread (Fig. 2) (Thread A: .250"; B: .187")

• 5 piece multiple

Part Number	Metal†	Hex Length	Pricing 5	100	1000
77586	Alum [1]	.250"	$.34	$.246	$.19
77593	Alum ⊕[1]	.375"	.405	.235	.212
111756	Alum [1]	.500"	.47	.29	.22
139214	Alum [1]	.625"	.408	.366	.324
139222	Alum [1]	.75"	.41	.368	.221
139231	Alum [1]	1.00"	.49	.39	.34
128566	Alum [1]	1.25"	.56	.463	.40
166546	Alum [1]	1.50"	.72	.65	.538

.250" Hex Male/Female

6-32 Thread (Fig. 2) (Thread A: .375"; B: .250")

• 5 piece multiple

Part Number	Metal†	Hex Length	Pricing 5	100	1000
133542	Alum [1]	.250"	$.39	$.35	$.21
133568	Alum [1]	.375"	.41	.37	.23
77607	Alum [1]	.500"	.34	.31	.25
77623	Alum [1]	.750"	.417	.374	.30
77650	Alum [1]	1.000"	.48	.436	.349
206623	Steel[3]	1.250"	1.67	1.50	1.31

SAE Hardware



• Zinc-plated steel

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple 100	1000
40952	4-40	Std	.250	$.021	$.013
40970	4-40	Std	.375	.018	.015
106810	4-40	Std	.500	.043	.031
106543	6-32	Std	.250	.018	.013
42446	6-32 ⊕	Std	.375	.019	.014

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple 100	1000
38165	2-56	Std	.183	$.024	$.016
40943	4-40	Std	.243	.027	.014
42420	6-32 ⊕	Std	.306	.021	.017

Flat Washers

Part Number	Screw Size	Dia. (inches)	100 piece multiple 100	1000
211131	4	.237	$.019	$.014
106826	4	.281	.034	.023
106833	6 ⊕	.373	.025	.023

Internal Tooth Lock Washers

106850	4 ⊕	.258	$.007	$.006
106868	6 ⊕	.277	.018	.015

Split Lock Washers

106788	2 ⊕	.161	$.024	$.016
211140	4	.201	.031	.021
40977	4 ⊕	.242	.02	.015
42463	6	.240	.018	.016

For more products, visit our website at www.Jameco.com

KEYSTONE Hardware

• Diameter: .218"

Nylon Shoulder Washers/Bushing



• Nylon 6/6 • Minimum order 5 pieces

Part No.	Product No.	Screw Size	5	100	500
1581804	3049	4	$.06	$.039	$.035

4-40 Force-Fit Threaded



• Stainless steel • .166" mounting hole

Part No.	Product No.	Description	5	100	500
1581898	4861	Round, .065"L	$.78	$.66	$.54
1581901	4863	Round, .250"L	.79	.65	.55

RAF Standoffs

Male-Female Hex Aluminum Standoffs



• Iridite clear finish

3/16" Hex, 4-40 Thread

• Thread length : 1/4" • 5 piece multiple

Part No.	Product No.	Length	5	100	1000
393458	4501-440-A-7	1/4"	$.298	$.283	$.269

3/16" Hex, 6-32 Thread •Thread length : 3/8"

Part No.	Product No.	Length	5	100	1000
393554	4505-632-A-7	1/2"	$.298	$.283	$.269
393588	4513-632-A-7	1"	.34	.309	.294

Male-Female Hex Brass Standoffs

• Zinc clear chromate finish

1/4" Hex, 4-40 Thread •Thread length : 3/16"

Part No.	Product No.	Length	5	100	1000
393837	4530-440-B-12	1/4"	$.61	$.58	$.55
393845	4532-440-B-12	3/8"	.63	.59	.55

Female-Female Hex Brass Standoffs



• Zinc clear chromate finish

1/4" Hex, 4-40 Thread • 5 piece multiple

Part No.	Product No.	Length	5	100	1000
393693	2102-440-B-12	3/8"	$.284	$.284	$.277
393714	2104-440-B-12	1/2"	.372	.353	.336
393749	2112-440-B-12	1"	.69	.65	.62

1/4" Hex, 6-32 Thread

Part No.	Product No.	Length	5	100	1000
393772	2104-632-B-12 ⊕	1/2"	$.39	$.35	$.32
393811	2120-632-B-12	1-1/2"	.65	.62	.59

KEYSTONE Standoffs

.250" Hex Female



1582399

• 6-32 thread
• Brass, zinc plated

Minimum order 5 pieces

Part No.	Product No.	Hex Length	5	100	1000
1582399	1451A	.250"	$.323	$.137	$.112
1582401	1451B	.375"	.372	.158	.152

.250" Hex Male/Female



• 4-40 threaded
1582305: Aluminum, Iridite (clear)
1582330: Brass, zinc plated

1582305

Part No.	Product No.	Hex Length	5	100	1000
1582305	8403	.750"	$.48	$.323	$.265
1582330	8713	.250"	.40	.225	.176

.250" Hex Male/Female



• 6-32 threaded
• Aluminum, Iridite (clear)

Part No.	Product No.	Hex Length	5	100	1000
1582321	8413	.375"	$.271	$.244	$.155

RAF Spacers

Aluminum Round Spacers



• Iridite clear finish

1/4" OD, #6 ID (0.140") • 5 piece multiple

Part No.	Product No.	Length	5	100	1000
393272	1124-6-A-7	1/4"	$.205	$.194	$.185
393319	1128-6-A-7	1/2"	.242	.23	.218
393335	1134-6-A-7	7/8"	.326	.309	.294

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

Hardware & Component Grab Bags

RoHS RoHS Compliant Product ⊕ RoHS Also Available — Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave


135394 – Electrolytic


18294 – Toy Motors


149649 – Fans


135271 – LEDs


169578 – Photocells


55968 – Spacers


319600 – Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Electromech

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 asst. ceramic disc capacitors	0.2	$5.94	$5.39
135335	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps	1.0	15.54	13.79
135458	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	5.94	5.39
135394	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps radial, axial, snap (photo above)	1.5	13.85	12.29
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	10.45	9.40

Resistors, Trimmers and Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104	GB116	200 asst. 1/4W resistors (5&10%)	0.1	$5.49	$4.95
135351	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	13.49
18139	GB117	200 asst. 1/2W resistors (5&10%)	0.2	6.85	6.15
18278	GB174	100 assorted 1/4W & 1/2W single-turn pots (100Ω to 5MΩ assorted values)	0.2	8.34	7.50

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	$8.75	$7.69
135378	GB165LB*	1 lb. (135 pcs) asst. #18235 switches	1.0	18.95	16.95
18294	GB182	5 asst. toy DC motors (1.5–24V)	1.1	7.95	7.49
149649	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

For more Keystone Hardware, visit www.Jameco.com

Terminal Turrets

KEYSTONE

• Material: brass, bright tin plated • Mounting Hole: .078" dia.
• **Minimum order 10 pieces**


1582410

Part No.	Product No.	Description	Size	10	100
1582410	1520-2	Single	.187"L x .109" PCB thickness	$.12	$.108
1582436	1573-2	Double	.186"L x .082" PCB thickness	.20	.157

Terminal Lug

KEYSTONE

• Material: brass, tin plated • .140" ID • #6 Stud
• **Minimum order 5 pieces**

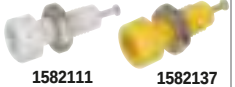


Part No.	Product No.	Description	5	50
1581572	904	Lockwasher	$.087	$.079

Deluxe Tip Jacks

KEYSTONE

• Fully insulated • Size: .949" L x .375" Dia.
• Chassis mount with nut • Accepts .080" tip

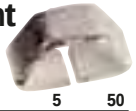

1582111 1582137

Part No.	Product No.	Color	Current Rating	1	5	50
1582111	6030	White	10A	$1.94	$1.80	$1.69
1582129	6033	Green	10A	1.47	1.39	1.33
1582137	6034	Yellow	10A	1.75	1.65	1.56

Looped Surface Mount Test Point

KEYSTONE

• Phosphor bronze, Silver plated flat wire • Tape and reel
• **Minimum order 5 pieces**


1582081

Part No.	Product No.	Description	Size	5	50
1582081	5015	Miniature	.060"H x .105"L x .040"W	$.097	$.091
1582090	5016	Compact	.090"H x .150"L x .112"W	.161	.151

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2	$8.74	$8.29
135280	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0	19.05	18.90
145242	GB109LB*	2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.)	2.0	22.86	21.75
105620	GB120	100 asst. sockets (DIP IC, PGA)	0.3	6.55	5.95
135386	GB120LB*	1 lb. (260 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	15.54	13.79

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes (zener, switching, silicon)	0.1	$6.85	$6.15	$5.51
18171	GB127	100 assorted transistors (NPN, PNP, power)	0.1	6.85	6.15	5.51

LEDs, Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041	GB110	100 assorted sizes & colored LEDs (T1 & T1¾ round and rectangular)	0.1	$7.29	$6.61	$5.93
18323	GB186	500 asst. sizes #18041 LEDs	0.3	19.95	17.95	15.95
135271	GB110LB*	1 lb. (1900 pcs) asst. #18041 LEDs	1.0	45.85	41.77	39.73
18201	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	11.94	8.94	8.03
169578	GB125	100 asst. values photocells	0.2	19.95	18.49	16.95

Spacers and Standoffs Assortments

• Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
55968	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon spacers	0.3	$21.54	$19.79	$17.94
135423	GB140LB*	1 lb. (310 pcs) same as P/N 55968	1.0	34.95	31.95	28.00

Hardware Assortments

• 2-56 • 4-40 • 6-32 • 8-32
• Screws • Plastic • Nuts • Washers
• Steel • Brass • Lock Washers • Aluminum



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	$7.15	$6.42	$5.75
171635	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571 (above)	3.0	15.55	13.79	11.94

Schwab's School Selection

$76.99 Value

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.



What's your suggestion?

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	3.3	$48.75	$42.64
319600	GB197	20 drawer component cabinet	4.7	15.95	13.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans

NEW

Quantity SAVE


206157


695050


1581249


354933

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
131247	Adda ♻	AD0205LX-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	$10.79	$10.25	$9.74	$9.24
206157	Sunon ♻	GM0502PFV3-8.GN	5	1.00 x 1.00 x 0.40	1.8	Ball	60	0.3	UL/CSA/TUV/CE	23	5"	11.95	10.76	8.60	6.45
695050	Sunon	GM0502PFV2-8	5	1.00 x 1.00 x 0.40	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	11.29	9.25	8.31	7.72
1585397	Sunon	GM0502PFB1-8	5	1.00 x 1.00 x 0.40	3.5	Ball	130	0.7	UL/CUL	25	6"	9.95	8.95	7.85	6.75
1708481	Sunon	KDE0502PHB3-8 (MS)	5	1.00 x 1.00 x 0.60	1.8	Ball	80	0.4	UL/CUL	16	4"	8.95	7.95	6.95	5.90
1708457	Sunon	KDE0504PEB3-8 (MS)	5	1.60 x 1.60 x 0.23	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	9.49	8.49	7.45	6.29
1581249	Sunon	KDE0504PFB3-8	5	1.60 x 1.60 x 0.40	4.6	Ball	70	0.35	UL/CUL	23.5	12"	8.95	7.95	7.15	6.49
196373	Sunon	KD0504PFB2-8	5	1.60 x 1.60 x 0.40	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	8.09	7.25	6.55
1581265	Sunon	KDE0504PFS1-8	5	1.60 x 1.60 x 0.40	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.25	4.49
1585442	Sunon	KDE0504PFB2 (MS)	5	1.60 x 1.60 x 0.40	7.0	Ball	140	0.7	None	27	12"	8.95	8.05	6.95	5.95
1809936	Sunon	KDE0505PHB2	5	2.00 x 2.00 x 0.60	12.7	Ball	380	1.9	UL/CUL/TUV/CE	27.8	12"	8.95	6.75	5.95	5.49
1809944	Sunon	KDE0506PHB3	5	2.00 x 2.36 x 0.60	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	7.95	7.15	6.29	5.35
1708431	Sunon	KD0506PHB2	5	2.36 x 2.36 x 0.60	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	7.49	6.75	5.95	4.95
355493	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.37	5.89	4.42
1776257	Delta ♠	AFB0605MB	5	2.36 x 2.36 x 1.50	13.5	Ball	200	1.0	UL/CSA/VDE/CE	29	12.9"	12.49	11.25	9.95	8.39
1708449	Sunon	KDE1202PFB1-8 (V)	12	1.00 x 1.00 x 0.40	3.1	Ball	83	1.0	UL/CUL	33	6"	12.49	11.25	9.95	8.39
1708465	Sunon	KDE1203PFB2-8 (MS)	12	1.18 x 1.18 x 0.40	3.0	Ball	66	0.8	UL/CUL	25	6"	9.95	8.95	7.85	6.65
212783	Sunon	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	10.95	9.86	7.88	5.91
212759	Sunon ⊕	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	7.26
212760	Sunon ♻	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	8.06
212741	Sunon	KDE1235PFB2-8	12	1.40 x 1.40 x 0.40	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	10.65	9.54	7.63	5.73
210797	Sunon ♻	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
355418	ReliaPro	JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6	11.5"	3.25	3.03	2.64	2.42
279611	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	5.95	5.29	4.29	3.19
189691	Sunon	KD1204PFS1-8	12	1.60 x 1.60 x 0.40	6.6	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.16	5.72	4.29
1708561	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	6.5	Ball	50	0.6	UL/CUL/TUV	24	12"	4.95	4.49	4.19	3.79
212717	Sunon ♻	KDE1204PFV2.11.MS.A.GN	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/VDE	27	12"	6.65	4.95	4.36	3.95
1585469	Y.S. Tech	FD1240107B-2N	12	1.60 x 1.60 x 0.40	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	6.95	6.25	5.49	4.49
290010	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn.	5.45	5.06	4.55	3.41
1581257	Sunon	KDE1204PFS2-8	12	1.60 x 1.60 x 0.40	7.0	Sleeve	90	1.1	UL/CUL	28	12"	7.95	7.49	6.59	4.95
212725	Sunon ♻	KDE1204PFV1	12	1.60 x 1.60 x 0.40	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.89	6.22	4.98	3.73
1585434	Sunon	KDE1204PFB1 (MS)	12	1.60 x 1.60 x 0.40	8.5	Ball	110	1.3	UL/CUL	35	12"	7.95	7.15	6.29	5.35
1708473	Sunon	KDE1204PFVX11.MS.A	12	1.60 x 1.60 x 0.40	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	7.95	7.15	6.29	5.35
1809856	Sunon	GM1204PKV3-A	12	1.60 x 1.60 x 0.80	6.3	Vapo	50	0.6	UL/CSA/TUV	18	12"	9.95	8.95	7.85	6.75
195899	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.16	5.72	4.29
279620	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	7.29	6.56	5.25	3.94
249375	Adda	ADO412HB-C56[1]	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
687754	Sunon	KDE1204PKSX-8	12	1.60 x 1.60 x 0.80	9.5	Sleeve	90	1.1	—	28	11"	8.49	7.59	6.79	5.95
206165	Sunon ♻	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	6.59	6.13	5.93	5.65
1585291	Sunon	GM1204PKVX-A	12	1.60 x 1.60 x 0.80	10.8	Vapo	130	1.60	UL/CUL/CSA	27.5	5"	8.95	8.05	6.95	5.95
212688	Sunon ♻	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/VDE	29	12"	6.59	5.99	5.49	5.16
1918809	Jamicon	KF0510B1M	12	2.00 x 2.00 x 0.40	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	8.95	8.05	7.10	5.95
1708588	Sunon	KD1205PFS2H	12	2.00 x 2.00 x 0.40	11	Sleeve	91.6	1.1	UL/CUL/TUV	26	12"	7.65	6.85	5.95	4.95
1809830	Sunon	KDE1205PFB2-8	12	2.00 x 2.00 x 0.40	11.5	Ball	100	1.2	UL/CUL/TUV	28.5	12"	8.95	8.49	7.49	6.25
1809821	Sunon	GM1205PFVX-AR	12	2.00 x 2.00 x 0.40	12.4	Vapo	80	1	UL/CUL/TUV	36	12"/3 leads	7.95	6.95	6.29	5.49
1810005	Sunon	KDE1205PHB3	12	2.00 x 2.00 x 0.60	10.2	Ball	60	0.7	UL/CUL/TUV/CE	22.5	12"	5.95	5.49	4.95	4.49
139602	Adda ♻	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	9.15	8.24	6.59	4.94
1708545	Sunon	KD1205PHB2H	12	2.00 x 2.00 x 0.60	13	Ball	83	1.0	UL/CUL/TUV/CE	29	12"	8.75	7.85	6.95	5.85
1809813	Sunon	GM1205PHV1-AR	12	2.00 x 2.00 x 0.60	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12"	7.95	7.49	6.49	4.95
1585418	Sunon	KDE1206PFS3-8	12	2.36 x 2.36 x 0.40	11.3	Sleeve	70	0.8	UL/CUL	28.5	12"	6.95	6.49	5.75	4.59
354933	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VDE/CE	29	12"/3 leads	7.99	7.17	5.75	4.31
687800	Sunon	KDE1206PFS1-8	12	2.36 x 2.36 x 0.40	16.5	Sleeve	120	1.4	UL/CUL/TUV	34.5	11"	9.79	7.68	7.26	5.45
195945	Adda ♻	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	7.49	6.69	5.45	4.15
1585400	Sunon	KDE1206PHB3	12	2.36 x 2.36 x 0.60	15	Ball	60	0.7	UL/CSA/CE	26	12"	8.75	7.89	7.09	6.39
249069	Jamicon ♻	JF0615B1H-000-243	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	9.09	8.18	6.95	5.22
687771	Sunon	KDE1206PHS1	12	2.36 x 2.36 x 0.60	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	10" w/ conn.	9.79	7.68	7.26	5.45
1537141	Sunon	KDE1206PHB1	12	2.36 x 2.36 x 0.60	21	Ball	150	1.8	UL/CUL/CE	37.5	12"/3 leads	7.95	7.15	6.49	5.95

[1] **249375:** Speed sensor

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*


1708529


1536923

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans (Continued)

NEW

Quantity SAVE


1708570


1581273

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
144161	Adda ♻	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	$9.49	$8.49	$6.99	$5.99
1809961	Sunon	KDE1206PKV3.13.MS.A	12	2.36 x 2.36 x 0.80	15	Vapo	70	0.8	UL/CUL/TUV/CE	25	12"	8.95	8.49	7.49	6.25
189595	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	5.95	5.36	4.30	3.23
1708529	Sunon	KDE1206PTV3 (MS)	12	2.36 x 2.36 x 1.00	16	Vapo	58	0.7	UL/CUL/TUV/CE	21	12"	5.95	5.35	4.75	3.95
689240	Sunon	KDE1206PTB1(M)[1]	12	2.36 x 2.36 x 1.00	22.5	Ball	170	2.0	UL/CSA/TUV/CE	34	12"	6.15	5.59	4.95	4.39
136143	Delta	SB0612M	12	2.36 x 2.36 x 1.00	17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.29	3.22
1810101	Japan Servo	TUDC12Z4F-022	12	2.36 x 2.36 x 1.00	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn.	9.49	8.55	7.49	6.35
150422	Jamicon ♻	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	7.29	6.49	5.49	4.79
1536923	Jamicon	JF0625B1M	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.76	UL/CUL/TUV/CE	33.6	10"	6.95	6.49	5.75	4.95
102947	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11"	7.79	7.01	5.61	4.22
195911	Sunon ♻	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73
689207	Sunon	KDE1206PTB3	12	2.36 x 2.36 x 1.00	16	Ball	70	.80	UL/CSA/TUV/CE	26	12"	5.95	5.35	4.79	4.29
1708511	Sunon	KDE1206PTS3	12	2.36 x 2.36 x 1.00	16	Sleeve	92	1.1	UL/CSA/TUV/CE	25	12"	5.95	5.35	4.69	3.95
395508	Sanyo ✪	109R0612S402	12	2.36 x 2.36 x 1.00	23	Ball	170	2.04	UL/CSA/TUV	33	6"	5.95	5.36	4.28	3.21
1809928	Sunon	KDE1206PTB1.MS	12	2.36 x 2.36 x 1.00	23.5	Ball	150	1.8	UL/CUL/TUV/CE	34.5	11.5"	6.95	6.25	5.50	4.49
1810013	Sunon	KDE1206PTV1.MS	12	2.36 x 2.36 x 1.00	23.5	Ball	150	1.8	UL/CUL/TUV/CE	33.5	12"	5.95	5.49	4.75	3.95
1776265	Delta ♠	FFB0612EHE	12	2.36 x 2.36 x 1.50	50.2	Ball	800	9.6	UL/CSA/VDE/CE	54.5	12.8"	17.95	15.95	11.86	11.04
401269	Delta	AFB0812LB	12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	9.35	6.81	6.40	4.80
109082	Adda ♻	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
1708570	Sunon	KD1208PHB1-AH	12	3.15 x 3.15 x 0.60	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	9.49	7.95	6.95	6.19
1809987	Sunon	KDE1208PHV1.13.MS.A	12	3.15 x 3.15 x 0.60	40	Vapo	200	2.4	UL/CUL/TUV/CE	34	12"	8.95	8.05	7.05	5.95
141921	Adda ♻	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.95	6.56	6.23	5.92
1708596	Sunon	KD1208PKB3(2).H	12	3.15 x 3.15 x 0.80	31	Ball	108	1.3	UL/CULTUV/CE	33	12"	5.95	5.35	4.75	3.95
1537301	Panaflo	FBA08A12L	12	3.15 x 3.15 x 1.00	24	Sleeve	68	0.82	UL/CSA	21	11.5"	7.95	7.49	6.59	5.25
16993	Various ⊕	FAN7315SL[2]*	12	3.15 x 3.15 x 1.00	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	9.25	8.31	6.64	4.98
75361	Various	FAN6315BL*	12	3.15 x 3.15 x 1.00	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	5.36	4.28	3.21
688597	NMB	3110GL-B4W-B19	12	3.15 x 3.15 x 1.00	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn.	6.95	6.25	5.49	4.69
234895	Adda ♻	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5	8.19	6.39	5.89	5.49
286926	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	8.35	7.52	6.02	4.52
154289	Sunon ♻	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	7.49	6.79	5.99	4.99
123530	Adda ♻	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	8.35	7.52	6.00	4.50
265578	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35	5"	5.29	4.76	3.81	2.86
1776273	Delta ♠	AFB0812H	12	3.15 x 3.15 x 1.00	35.3	Ball	160	1.9	UL/CSA/VDE/CE	31	12"	13.75	9.09	8.59	8.26
1810030	Sanyo Denki	9A0812H401	12	3.15 x 3.15 x 1.00	36.4	Ball	130	1.56	UL/CSA/TUV	29	12"/3 leads	8.95	8.05	7.05	5.95
1537387	Sunon ♻	KD1208PTB213.(2).GN	12	3.15 x 3.15 x 1.00	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	8.95	8.09	7.49	6.95
1585477	Sunon	KD1208PTS1-13	12	3.15 x 3.15 x 1.00	40	Sleeve	160	1.90	UL/CUL/TUV/CE	33	12"	5.95	5.49	4.95	4.49
1810021	Sunon	KDE1208PTV1.13.MS.A	12	3.15 x 3.15 x 1.00	40	Vapo	160	1.9	UL/CUL/TUV/CE	33	12"	4.49	5.95	4.95	4.29
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	3.15 x 3.15 x 1.00	41	Vapo	150	1.8	UL/CUL/TUV/CE	35	12"	8.95	7.95	6.59	5.75
206181	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.14	6.47	5.82	5.22
355400	ReliaPro ⊕	JR-DCF-128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5" leads	7.05	5.10	4.80	4.56
355401	ReliaPro ♻	JR-DCF-128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.89	5.71	5.38	5.11
1810110	Sunon	KDE1208PTB1-6A	12	3.15 x 3.15 x 1.00	42.5	Ball	190	2.3	UL/CUL/TUV/CE	36.5	10"/3 leads	8.95	8.05	7.05	5.95
1581273	Cheng	CHA8012DB	12	3.15 x 3.15 x 1.00	44.3	Ball	300	3.6	UL	37	12"	6.95	6.49	5.95	5.25
1918729	Jamicon	JF0825S1SR	12	3.15 x 3.15 x 1.00	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn.	6.95	6.49	5.85	4.95
323897	Mechatronics	F8025E12B1[3]	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	7.69	5.59	5.26	4.90
421526	Panasonic	FBA08A12U-1AZ	12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.69	6.02	4.82	3.61
1809995	Sunon	KDE1208PTBX-6A(318)	12	3.15 x 3.15 x 1.00	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	8.49	7.95	6.95	5.95
196023	Jamicon	JF0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	6.05	5.43	4.88	4.32
154641	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190984	Sunon ♻	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	8.70	7.83	6.27	5.48
162739	NMB (Smart Fan) ⊕	3610KL-04W-B56†	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	5.72	4.29
689215	Sunon	KDE1209PTBX-6A	12	3.63 x 3.63 x 1.00	56	Ball	360	4.3	UL/CUL/CE	39	11"	7.95	7.16	5.72	4.29
102963	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	7.16	5.72	4.29
1776281	Delta ♠	AFB0912HH	12	3.63 x 3.63 x 1.00	57.9	Ball	250	3.0	UL/CSA/VDE/CE	38	12"	13.75	9.09	8.59	8.26
174140	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	7.99	7.23	6.09	4.99
689231	Sunon	KDE1212PTS3-6A	12	4.68 x 4.68 x 1.00	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	8.49	7.65	6.69	5.49
227901	Common Wealth ♻	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	13.15	11.82	10.67	9.59
363848	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	14.65	13.28	10.99	11.22
689856	Sunon	KDE1212PTB1-6A	12	4.68 x 4.68 x 1.00	90	Ball	400	4.8	UL/CUL/TUV/CE	44.5	12" w/ conn.	12.95	11.59	10.49	8.95
163619	NMB (Smart Fan)	4710NL012P535P0†	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	6.29	5.68	4.56	3.42
1537133	Delta	WFB1212HH	12	4.68 x 4.68 x 1.00	95.4	Ball	610	7.3	UL/CSA/CE	42.5	4" w/ conn.	10.95	10.49	9.75	7.99

[1] **689240:** Locked rotor alarm sensor [2] **16994:** Replacement for PC/XT computer power supply fan [3] **323897:** Speed sensor * Mfr. & specifications may vary † Temp. control: **162739** (50˚C, 3 leads); **163619** (35˚C)

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS. ✪ Blue Part No. = Limited Quantity

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans (Continued)

NEW — Quantity SAVE


686516


1537467


645028


213567

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
1585389	Japan Servo	CNDC12B4C-016	12	4.68 x 4.68 x 1.50	99	Ball	380	4.6	UL/CSA/TUV	40	12"	$13.95	$12.49	$10.95	$9.29
686516	Adda	AD1212HB-F51	12	4.68 x 4.68 x 1.50	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn.	13.95	12.49	10.95	8.21
1537221	Sunon	KDE1212PMB3-6A	12	4.68 x 4.68 x 1.50	84	Ball	570	6.8	UL/CUL/CE	42	12" w/ conn.	12.95	12.49	10.95	9.25
94626	Sunon ♻	KD1212PMB1-6A	12	4.68 x 4.68 x 1.50	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12" leads	12.09	11.01	10.84	10.33
1537467	Comair	JQ12B7X	12	6.77 x 5.90 x 2.00	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12"/3 leads	69.95	62.95	56.95	52.95
687826	Sunon	KDE2404PKB2	24	1.60 x 1.60 x 0.80	7	Ball	40	1.0	UL/CUL/TUV	29	11"	7.95	7.15	6.49	5.29
1776290	Delta ♠	EFB0424HD	24	1.60 x 1.60 x 0.80	8.5	Ball	60	1.44	UL/CSA/VDE/CE	28.5	13"	8.59	7.74	7.39	6.96
1708422	Sunon	KDE2406PHS3	24	2.36 x 2.36 x 0.60	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	7.15	6.29	5.35
687818	Sunon	KDE2406PHB3	24	2.36 x 2.36 x 0.60	15.2	Ball	50	1.2	UL/CUL/TUV	26.5	11"	8.49	7.59	6.59	5.49
421518	Panasonic	FBA06T24H	24	2.36 x 2.36 x 0.60	16.6	Sleeve	110	1.99	UL/CSA	32	11"	8.09	7.03	6.31	5.70
1816706	NMB ♻ ♠	2406KL-05W-B50-L00	24	2.36 x 2.36 x 0.60	18.3	Ball	100	2.4	None	34	7.9"	10.35	8.19	7.99	7.80
140661	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	5.95	5.39	4.34	3.24
174108	Jamicon ♻	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.69	4.22
189861	Jamicon ♻	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
1816888	NMB ♻ ♠	2410ML-05W-B30-E00	24	2.36 x 2.36 x 1.00	19	Ball	60	1.44	None	31	11.8"	11.28	10.53	10.19	9.87
227248	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29
687797	Sunon	KDE2408PTS3-6	24	3.15 x 3.15 x 1.00	29.4	Sleeve	60	1.5	None	24.5	4" w/ conn.	8.95	7.95	6.95	5.79
1816925	NMB ♻ ♠	2410ML-05W-B60-E00	24	2.36 x 2.36 x 1.00	25	Ball	130	3.12	None	36	11.8"	9.95	9.29	8.25	7.59
1809848	Sunon	PMD2406PTB1-A	24	2.36 x 2.36 x 1.00	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	11.49	10.35	9.10	7.75
1809952	Sunon	KDE2408PTB1-6A	24	3.15 x 3.15 x 1.00	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	8.95	8.49	7.49	6.25
290029	Jamicon ♻	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.25	7.42	6.59	5.75
1581071	Pabst	8124K	24	3.15 x 3.15 x 1.50	35	Ball	125	3.0	UL	39	12"	29.95	26.95	23.95	19.95
662653	Panaflo	FBO8A24M1A	24	3.15 x 3.15 x 1.00	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	7.95	5.95	4.95	4.49
136161	Jamicon ♻	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.59	8.64	7.77	6.99
1809864	Sunon	PMD2408PMB1-A	24	3.15 x 3.15 x 1.00	24	Ball	400	9.6	UL/CUL/TUV	55.2	12"	17.49	14.35	12.59	10.75
1708502	Sunon	KDE2405PTS3-6	24	3.63 x 3.63 x 1.00	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	9.49	7.29	6.69	6.09
189886	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
695042	Sunon ♻	KDE2409PTB1-6	24	3.63 x 3.63 x 1.00	51	Ball	140	3.4	None	37	12"	8.95	8.95	8.49	8.49
174094	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	7.95	7.16	6.57	5.99
249287	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
1809881	Sunon	KD2412PTB1-6A	24	4.68 x 4.68 x 1.00	90	Ball	220	5.3	UL/CUL/TUV/CE	44.5	12"	13.95	12.55	10.95	9.25
1708537	Sunon ♻	KDE2412PMS3-6A	24	4.68 x 4.68 x 1.50	83	Sleeve	160	4	UL/CUL/TUV/CE	34	12"	14.95	13.45	11.75	9.95
694516	Jamicon ♻	JF1238B2LR130-065R	24	4.68 x 4.68 x 1.50	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	16.95	15.49	13.25	11.95
153411	Sunon	KD2412PMB2-6A	24	4.68 x 4.68 x 1.50	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	12.55	11.29	9.08	6.81
694444	Jamicon ♻	JF123852MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	15.95	14.35	12.95	11.49
694524	Jamicon ♻	JF1238B2MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	16.95	15.49	13.25	11.95
1809901	Sunon	KD2412PMB1-6A	24	4.68 x 4.68 x 1.50	108	Ball	280	6.7	UL/CUL/TUV/CE	42	12"	13.95	12.55	10.95	9.25
694532	Jamicon ♻	JF1238B2HR130-065R	24	4.68 x 4.68 x 1.50	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	16.95	15.49	13.25	11.95
1809910	Sunon	KD2412PMSX-6A	24	4.68 x 4.68 x 1.50	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	12.95	12.55	10.95	9.25
689063	EBM	W2G115-AG75-85	48	5.00 x 5.00 x 1.50	155	Ball	310	15	UL/CUL	52	10"/3 leads	49.95	44.95	39.39	33.95

DC Brushless Blowers

Quantity SAVE

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
645028	Evercool	EC9733H12C-B	12	3.83 x 3.64 x 1.27	23.6	Sleeve	260	3.12	CE	33	14" w/ conn.	$20.15	$14.16	$13.30	$9.98
213567	Nidec	A34124-33	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	22.95	18.32	14.66	12.54

Fan Guards and Filters

For more Fan Guards & Filters visit www.Jameco.com

Compatible with DC and AC Fans – pages 143-147

- Guards and filters fit all fans. Please match by size dimension. Example: P/N 300557 fan (3.15") matches P/N 31923 metal guard (3.15").

Part No.	Description	1	10	100	250
120037	2.36" metal (chrome) guard	$.62	$.54	$.42	$.315
687666	2.36" steel (anodized) guard	.95	.85	.74	.59
31923	3.15" metal (chrome) guard	.79	.65	.52	.46
1811235	3.15" metal (chrome) guard ♻ ♠	1.55	1.31	1.25	1.19
123511	3.63" metal (chrome) guard	.89	.79	.62	.53
1811219	3.63" metal (chrome) guard ♻ ♠	1.69	1.41	1.29	1.27
25734	4.68" metal (chrome) guard	1.09	.98	.88	.79
1811227	4.68" metal (chrome) guard ♻ ♠	1.75	1.49	1.39	1.34

Part No.	Description	1	10	100	250
695068	4.68" steel (black) guard	$1.09	$.98	$.88	$.79
695076	5.00" metal (chrome) guard	1.59	1.39	1.25	1.06
1811198	6.00" metal (chrome) guard	1.59	1.39	1.25	1.06
138562	3.15" plastic guard w/ mesh ♻	1.59	1.45	1.29	1.09
229665	3.63" plastic guard w/ mesh ⊕	1.75	1.55	1.25	.95
196817	4.68" plastic guard w/ mesh ♻	2.15	1.71	1.53	1.38
138579	3.15" alum. washable filter ⊕	2.95	2.66	2.12	1.59
130105	4.68" alum. washable filter ♻	3.49	3.19	2.75	2.49


687666


138579/130105

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

DC Brushless Fans *(Continued)*

RoHS Compliant Product
RoHS Also Available
Details on Order Info Page

Color Code Legend: New | Sale | Lower$ | QtySave

Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating


695682


695691

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Part Number	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise dBA	Connection (Leads)	Pricing 1	10	100
695789	032604 (CR0405HB-G70)	5	1.57 x 1.57 x 0.40	6.8	Ball	244	0.95	None	25.0	12"	$8.75	$8.03	$7.06
695797	032622 (CR0412HB-C50) ♠	12	1.57 x 1.57 x 0.80	6	Ball	100	1.2	None	31.9	12"	8.75	7.63	7.06
695711	031156 (FS12B3) ♠	12	2.36 x 2.36 x 1.00	18	Ball	142	1.7	UL/CSA/TUV/CE	33.9	12"	32.55	25.81	19.72
695682	030615 (ST12B3) ♠	12	3.15 x 3.15 x 1.26	34	Ball	280	3.4	UL/CSA/TUV	40.9	12"	18.95	18.74	18.52
695623	028868 (MD12B2) ♠	12	4.69 x 4.69 x 1.54	110	Ball	500	6	UL/CSA/TUV	50.0	Terminals	42.65	41.04	39.43
695771	032489 (MC12B3) ♠	12	4.73 x 4.73 x 1.26	102	Ball	660	7.9	UL/CSA/TUV	47.8	12"	24.85	21.12	16.14
695615	028866 (MD24B1) ♠	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	50.0	12"	42.19	40.82	39.44
695631	028869 (MD24B2) ♠	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	50.0	Terminals	42.19	40.83	39.45
695666	030572 (MC24B3) ♠	24	4.73 x 4.73 x 1.26	102	Ball	280	6.7	UL/CSA/TUV	47.8	12"	24.95	23.62	20.38
695691	031090 (JQ24B4) ♠	24	6.75 x 5.90 x 2.00	235	Ball	850	20.3	UL/CSA/TUV	54.3	Terminals	69.29	67.19	65.18
695640	028870 (MD48B2) ♠	48	4.69 x 4.69 x 1.54	110	Ball	125	6	UL/CSA/TUV	50.0	Terminals	42.19	40.82	39.44

AC Tube Axial Fans

- Rating 115 & 220VAC @ 50-60Hz
- Agency approved fans
- Low acoustical noise rating
- Ball and sleeve bearings


695463


695594

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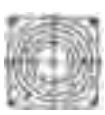
Part Number	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise dBA	Connection (Leads)	Pricing 1	10	100
695535	028286 (SU2B1) ♠	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	40.3	12"	$28.75	$27.72	$19.74
695578	028410 (SU2B5) ♠	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	40.3	Terminals	28.75	27.72	19.74
695560	028316 (MX2A3) ♠	115	4.69 x 4.69 x 1.54	110	Sleeve	180	15	UL/CSA/VDE	47.6	Terminals	24.85	22.45	22.05
695586	028422 (MX2B3)	115	4.69 x 4.69 x 1.54	110	Ball	180	15	UL/CSA/VDE	47.6	Terminals	37.45	36.12	32.55
695501	028027 (MU2B1) ♠	115	4.71 x 4.71 x 1.50	105	Ball	160	14	UL/CSA	45.1	Terminals	35.55	34.31	24.44
695498	028021 (MU2A1)	115	4.71 x 4.71 x 1.50	105	Sleeve	160	14	UL/CSA	45.1	Terminals	24.05	23.22	20.93
695607	028454 (BT2B1) ♠	115	4.75 x 4.75 x 1.60	22	Ball	170	14.5	UL/CSA/TUV/CE	—	Terminals	38.85	34.70	30.57
695519	028245 (MR2B3) ♠	115	6.15 x 5.92 x 2.00	235	Ball	260	31	UL/CSA/VDE	56.6	Terminals	59.09	55.76	52.44
695527	028254 (PT2B3)	115	6.75 dia. x 2.0 thick	235	Ball	260	31	UL/CSA/VDE	54.0	Terminals	59.99	57.53	52.43
695738	031842 (MA2B3) ♠	115	6.75 x 5.92 x 2.17	300	Ball	360	50	UL/CUL/TUV/CE	56.5	Terminals	70.75	70.09	69.74
695439	020169 (TNE2C) ♠	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	65.4	12"	96.95	84.27	75.95
695455	020174 (TNE2A) ♠	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	65.4	Terminals	88.35	85.22	60.72
695463	020188 (CLE2L2)	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	49.2	24"	84.89	69.14	66.50
695471	020189 (CLE2T2) ♠	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	49.2	Terminals	★	Call/Web	Call/Web
695594	028423 (MX3B3) ♠	230	4.69 x 4.69 x 1.54	110	Sleeve	90	16	UL/CSA/VDE	47.6	Terminals	36.65	34.60	32.55
695551	028309 (MR77B3)	230	6.75 x 5.92 x 2.00	235	Ball	140	30	UL/CSA/TUV/CE	56.6	Terminals	60.59	58.47	52.69
695447	020172 (TNE3A) ♠	230	6.90 x 6.90 x 4.40	330	Ball	260	59	UL/CSA/TUV	65.4	Terminals	88.35	85.22	60.72
695480	020191 (CLE3T2)	230	10 dia. x 3.5 thick	250	Ball	550	—	UL/SCA/TUV/CE	49.2	Terminals	82.19	73.30	64.40

★ Please call or visit our website for minimum order quantity and pricing.

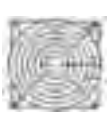
Fan Guards

Compatible with Comair DC and AC Fans (above)

- Guards and filters fit all fans. Please match by size dimension.


696651


696571


696642


696677


696669/696634


696589


696597

For more Comair Rotron Fan Guards visit www.Jameco.com

Part No.	Product No.	Description	1	10	100
696651	551147	4.68" dia.	$2.59	$2.35	$2.07
696571	476042 ♠	4.31" dia., steel zinc plated	1.79	1.53	1.38
696642	550481	4.68" dia.	.95	.90	.87
696677	552934 ♠	4.62" dia., steel zinc plated	2.65	2.29	2.06
696669	551199	6.75" dia., steel zinc plated	3.79	3.33	3.00
696634	550272 ♠	6.75" dia., steel zinc plated	4.15	3.72	3.35
696589	476136 ♠	8.74" dia., steel nickel chrome	6.49	5.81	4.63
696597	476323 ♠	8.25" dia., steel zinc plated	5.35	4.76	4.31

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AC Tube Axial Fans


212600



275793

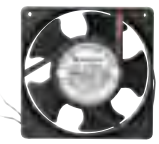
Call for additional OEM PRICING – we carry major manufacturers.

NEW

- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 11 to 226 CFM

Fan Power Cords Below


206309


209365

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
213867	Fulltech ♻	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	$15.95	$14.39	$12.95	$11.65
162704	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	14.71	14.31	13.91
146078	Common Wealth ♻	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	13.99	12.99	11.99	10.99
300557	Fulltech ♻	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300258	Fulltech ♻	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	10.19	9.18	8.87	8.57
300582	Fulltech ♻	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	10.55	9.47	9.15	8.83
300303	Fulltech ♻	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	11.75	11.05	10.69	10.32
300329	Fulltech ⊕	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300600	Fulltech ♻	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	13.39	12.04	11.26	10.67
300389	Fulltech ♻	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
75460	Sunon ♻	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	19.14	17.27	15.54	13.98
75433	Sunon ♻	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	12.55	11.29	10.19	9.15
303467	Sunon ♻	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	17.39	16.69	15.07	12.75
1708617	Sunon	SP103AT-1122LBT	115	4.68 x 4.68 x 1.00	54	Ball	110	11.5	CE	40	Terminals	12.95	12.15	10.65	9.25
124063	Sunon ♻	SP101AT-1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	13.49	10.95	9.89	9.19
1810048	Sunon ♻	SP101AT-1122HBL.GN	115	4.68 x 4.68 x 1.00	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	11.95	11.75	10.75	9.95
1918796	Jamicon	KA1238L1B0A0-T	115	4.68 x 4.68 x 1.50	78	Ball	200	12	UL/CUL/CE	38	Terminals	13.95	12.75	11.49	9.95
1918770	Jamicon	KA1238H1B110-T	115	4.68 x 4.68 x 1.50	110	Ball	300	24	UL/CUL/CE	45	Terminals	13.95	12.25	10.75	9.49
303408	Sunon ♻	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	16.45	15.35	14.25	13.15
303415	Common Wealth ⊕	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.26	12.20	9.46
303482	Fulltech ⊕	UF12A11SWL	115	4.68 x 4.68 x 1.50	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.85	11.54	10.77	10.23
303361	Fulltech ♻	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	13.89	12.46	11.62	11.05
1585371	Sunon	SP103A-1123LBL	115	4.68 x 4.68 x 1.50	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	12.95	11.65	10.25	8.95
300792	Fulltech ♻	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111895	Common Wealth ♻	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	16.74	15.11	13.62	12.23
106585	Common Wealth ⊕	FP108-1-S1/T✪	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	16.89	15.22	12.93	9.70
16935	Common Wealth ♻	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	17.89	16.12	14.49	13.06
212600	Fulltech ♻	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.39	14.22	13.03	11.84
275793	Sunon ♻	SP101A-1123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CUL/CE	50	Terminals	13.45	12.58	11.23	10.67
1707163	Sunon ♻	SP101A-1123HB2.GN	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CSA/TUV	50	12" leads	12.95	11.95	10.49	8.95
206309	Adda ♻	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.00	10.76	8.96
102883	Sunon ⊕	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
102884	Sunon ♻	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	15.59	14.54	13.50	12.46
1585320	Sunon	A1123HBL	115	4.68 x 4.68 x 1.50	117	Ball	250	20	UL/CUL/TUV	50	17" leads	14.95	13.49	11.75	9.95
108725	Fulltech ♻	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	36.59	34.35	27.48	24.45
212582	Fulltech ♻	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	29.95	29.60	26.61	26.05
189683	Fulltech ⊕	UF15PC12BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	33.65	30.30	24.23	21.52
189684	Fulltech ♻	UF15PC12BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	33.65	30.30	24.23	21.52
1585311	Sunon	A1175-HBT	115	6.75 x 5.90 x 2.00	239	Ball	230	27	UL/CUL/TUV/CE		Terminals	29.00	26.00	22.95	18.49
1810128	Common Wealth	FP-108AX-S1-B	220	3.15 x 3.15 x 1.00	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	11.49	10.25	9.10	7.75
355629	Fulltech ⊕	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100918	Sunon ♻	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	11.09	8.89	8.00	6.78
209365	Bi-Sonic ⊕	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	14.89	13.41	11.17	10.60
1918753	Jamicon	KA1238H2B01	220	4.68 x 4.68 x 1.50	82	Ball	200	23	UL/CUL/TUV/CE	42	Terminals	15.95	13.49	11.75	9.95
302244	Comair ♻	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	11.95	10.75	9.45	7.95
1918761	Jamicon	KA1238H2B12	220	4.68 x 4.68 x 1.50	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	15.95	13.49	11.75	9.95
303459	Sunon ♻	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102892	Sunon ♻	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65
1585346	Sunon	A2123-HBL	220	4.68 x 4.68 x 1.50	117	Ball	120	20	UL/CUL/TUV	50	17" leads	14.95	13.49	11.75	9.95
1585338	Sunon	A2123-HBT	220	4.68 x 4.68 x 1.50	117	Ball	120	20	UL/CUL/TUV	50	Terminals	15.35	14.35	12.65	10.75
1809872	Sunon	A2175-HBT	220	6.75 x 5.90 x 2.00	203	Ball	110	25	—	51	Terminals	34.95	31.45	27.95	23.49

✪ Blue Part No. = Limited Quantity Available

Fan Guards and Filters on page 145

Fan Power Cords: 24" Straight and Right-Angle

For more Fan Power Cords visit www.Jameco.com

- Cord type: SPT-1 (2) conductor black
- Voltage rating: 300V
- Temperature: 60°C
- Fits all terminal fans

Part No.	Description	Length	1	10	100	250
28564	Straight socket cord ⊕	24"	$.99	$.88	$.70	$.65
696562	Comair Rotron 90° angle socket cord ♻	24-26"	1.44	1.24	1.15	1.12
1819253	Straight socket cord (NMB)♠	24"	1.65	1.50	1.45	1.40


28564

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

40 to 65-Watt Medical Switching AC-to-DC Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

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40-Watt Medical Open-Frame

NFS-40 Triple Output

TOP QUALITY U.S. BRAND

- Universal AC input
- Line regulation: ±0.2%
- Input surge current: 10A @ 110VAC; 22A @ 230VAC
- Hold-up time: 18ms @ 110VAC; 132ms @ 230VAC
- Efficiency: 70% typical
- Isolation voltage: 4000VAC (input/output)
- 40W with free air convection; 50W with 20CFM forced air
- Overvoltage protection
- Short circuit protection
- 2.2 watts/in² max.
- MTBF: 170,000 hours
- Size: 5"L x 3"W x 1.2"H



65-Watt Medical Open Frame, Low Leakage

MPS-65 Single Output

PERFORMANCE At Value Prices

- 100% full load burn-in test
- High-efficiency, low heat generation
- 2.9 watts/in³ max.
- Working temp.: -10˚C to + 60˚C
- Inrush current: 20A @ 120VAC
- Soft-start circuit, limiting AC surge current
- Mating connector: P/N 104731, pg 103
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- See www.Jameco.com for specifications
- Universal AC input
- Isolation voltage: 4000VAC
- Voltage adjustment: 10%
- Leakage current: 0.3mA @ 240V
- Line regulation: ±1.0%
- Load regulation: ±2.0%
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.
- Three-year warranty

MW | ARTESYN TECHNOLOGIES

For More Power Supplies and Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
1774219	Artesyn ♻♠	NFS40-7908J	+5.1V@3A; +12V@2A; -12V@0.35A	40.0W	85-264@47-440	50	UL/CSA/VDE/CE	$52.89	$47.20	$47.12
221154	Mean Well ♻	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	39.95	35.95	32.55
221162	Mean Well ♻	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	37.39	33.65	30.29

* Primary Output ♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

Power

Ultraminiature 5 to 20-Watt Power Supplies

- 100% full burn-in test
- Universal AC input/full range
- Three year warranty
- Ultra miniature size and lightweight
- UL/CUL/TUV/CE
- Short circuit, overload, overvoltage, overtemperature protection
- No load consumption



MW | PERFORMANCE At Value Prices

5-Watt NFM-5000 Series • Size: 2.28"L x 1.77"W x 0.75"H • Inrush current: 25A @ 115VAC • Pin-mount

10-Watt NFM-0100 Series • Size: 2.56"W x 1.77"L x 0.87"H • Inrush current: 25A @ 115VAC • Pin-mount

15-Watt NFM-1500 Series • Size: 2.76"L x 1.89"W x 0.87" • Inrush current: 30A @ 115VAC • Pin-mount

20-Watt NFM-0200 Series • Size: 3.0"L x 2.0"W x 0.76" • Inrush current: 30A @ 115VAC • Chassis-mount • Mating connector: P/Ns 463435 & 463443, pg 103

Lower $$$

Jameco Part No.	Product No.	Output Voltage@Current (min-max)	Output Power	Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25
694962	NFM-05-3.3 ♻	+3.3V@0-1.25A	4.13W	±1.5%	±1.0%	80	$21.75	$19.56	$17.61
694971	NFM-05-5 ♻	+5V@0-1A	5.0W	±1.5%	±1.0%	80	21.75	19.56	17.61
694989	NFM-05-12 ♻	+12V@0-0.42A	5.04W	±0.5%	±0.5%	150	21.75	19.56	17.61
695009	NFM-05-15 ♻	+15V@0-0.33A	4.95W	±0.5%	±0.5%	150	21.75	19.56	17.61
694997	NFM-05-24 ♻	+24V@0-0.23A	5.52W	±0.5%	±0/.5%	240	21.75	19.56	17.61
695084	NFM-10-3.3 ♻	+3.3@0-2.5A	8.25W	±1.0%	±1.0%	80	23.89	21.49	19.35
695092	NFM-10-5 ♻	+5V@0-2A	10.0W	±1.0%	±1.0%	80	23.89	21.49	19.35
695105	NFM-10-12 ♻	+12V@0-0.85A	10.2W	±0.5%	±0.5%	150	23.89	21.49	19.35
695113	NFM-10-15 ♻	+15V@0-0.67A	10.05W	±0.5%	±0.5%	150	23.89	21.49	19.35
695121	NFM-10-24 ♻	+24V@0-0.42A	10.08W	±0.5%	±0.5%	240	23.89	21.49	19.35
695148	NFM-15-3.3 ♻	+3.3V@0-3.5A	11.55W	±1.0%	±1.0%	80	28.15	25.34	22.81
695130	NFM-15-5 ♻	+5V@0-3A	15.0W	±1.0%	±1.0%	80	28.15	25.34	22.81
695156	NFM-15-12 ♻	+12V@0-1.25A	15.0W	±0.5%	±0.5%	150	28.15	25.34	22.81
695164	NFM-15-15 ♻	+15V@0-1A	15.0W	±0.5%	±0.5%	150	28.15	25.34	22.81
695172	NFM-15-24 ♻	+24V@0-0.63A	15.12W	±0.5%	±0.5%	240	28.15	25.34	22.81
695181	NFM-20-3.3 ♻	+3.3V@0-4.5A	14.85W	±1.0%	±1.5%	80	32.45	29.19	26.28
695199	NFM-20-5 ♻	+5V@0-4.4A	22.0W	±1.0	±1.5%	80	32.45	29.19	26.28
695201	NFM-20-12 ♻	+12V@0-1.8A	21.6W	±0.5%	±0.5%	150	32.45	29.19	26.28
695210	NFM-20-15 ♻	+15V@0-1.4A	21.0W	±0.5%	±0.5%	150	32.45	29.19	26.28

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

15 to 45-Watt Open-Frame Power Supplies

Enclosed Power Supplies on pages 153-159.

• 100% full burn-in test • Universal AC input



PSA15

15 & 25-Watt PSA15 & PSA25 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Line regulation: ±1.0%
- Isolation voltage: 3,000VAC
- Voltage adjustment: 5% (PSA15 only)
- Inrush current: 30A @ 120VAC
- Working temperature: 0˚ to + 40˚C
- Size: 4.33"L x 1.57"W x 0.91"H (except 230536: 3.6"L x 2.5"W x 1.1"H)
- One-year warranty



PS-25

25-Watt PS-25 & PD-25 Series: Single & Dual Outputs

- Inrush current: 40A @ 120VAC
- Working temp.: -10˚C to +60˚C
- Size: 4.20"L x 2.40"W x 1.10"H
- Two-year warranty

PERFORMANCE At Value Prices



LPS20/LPT20

25-Watt LPS & LPT Series: Single & Triple Outputs

- 25W for convection; 40W with 30CFM forced air
- Inrush current: 15A@115VAC; 30A@230VAC
- Efficiency: 70%
- Line regulation: ±2.0%
- Overload, overvoltage protection
- Size: 5.0"L x 3.0"W x 1.14"H

Call for special versions and large quantities

40-Watt LPS & LPT Series: Single & Triple Outputs

- 40W for convection; 55W with 30CFM forced air
- Inrush current: 18A@115VAC; 36A@230VAC
- Efficiency: 70%
- Line regulation: ±2.0%
- Overload, overvoltage protection
- Size: 5.0"L x 3.0"W x 1.14"H

45-Watt PSA45 Series: Triple Outputs

- Load regulation: ±2.0%
- Line regulation: ±2.0%
- Inrush current: 20A @ 120VAC
- Working temp.: 0˚ to +50˚C
- Size: 5.0"L x 3.0"W x 1.2"H
- Weight: 0.9 lbs.
- One-year warranty

Call for special versions and large quantities

PHIHONG MW ASTEC

For More Power Supplies and Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
229060	Phihong ♻	PSA15LN3-120	+12V@0-1.25A	15.0W	90-264@47-63	120	UL/CUL/TUV/CE	**$17.95**	**$16.95**	**$16.19**
230536	Phihong ♻	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25.0W	90-264@47-63	50	UL/CUL/TUV/CE	**25.15**	**22.63**	**20.31**
212354	Mean Well ♻	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	**21.75**	**19.95**	**18.45**
392826	Mean Well ♻	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	**18.95**	**18.26**	**17.58**
148604	Mean Well ♻	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	**21.75**	**19.95**	**18.45**
216769	Mean Well ♻	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	**20.45**	**18.65**	**17.20**
212346	Mean Well ♻	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	**21.75**	**19.95**	**18.45**
212312	Mean Well ♻	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	**19.95**	**16.96**	**12.72**
212338	Mean Well ♻	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	**21.25**	**20.48**	**18.80**
212330	Mean Well ♻	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	**20.69**	**19.95**	**18.31**
148690	Mean Well ♻	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	**24.83**	**22.99**	**19.99**
1773427	Astec ♠	LPS22	+5V@0-5A	25.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	**39.39**	**36.32**	**35.49**
1773435	Astec ♠	LPS23	+12V@0-2.1A	25.2W	85-264@47-440	120	UL/CSA/VDE/CE/CB	**39.39**	**36.16**	**35.49**
1773603	Astec ♠	LPT22	+5V@0.3A-3A; +12V@0.1A-1.5A; -12V@0.5A	25.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	**37.69**	**34.74**	**33.95**
1773611	Astec ♠	LPT23	+5V@0.4A-4A; +12V@0.1A-1.5A; -12V@0-0.5A	25.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	**41.09**	**37.73**	**36.89**
1773638	Astec ♠	LPT25	+5V@0.3A-3A; +15V@0.1A-1.5A; -15V@0-0.5A	25.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	**41.09**	**37.90**	**36.95**
1773507	Astec ♠	LPS41	+3.3V@0-8A	26.4W	85-264@47-440	50	UL/CSA/CE/CB	**41.35**	**39.47**	**38.55**
146894	Astec ♠	LPS42	+5V@0-8A	40.0W	85-264@47-440	50	UL/CSA/CE/CB	**45.95**	**41.95**	**37.95**
151124	Astec ♠	LPS43	+12V@0-3.3A	36.6W	85-264@47-440	120	UL/CSA/CE/CB	**42.39**	**39.95**	**37.95**
1773523	Astec ♠	LPS45	+24@0-1.7A	40.0W	85-264@47-440	240	UL/CSA/CE/CB	**42.79**	**39.30**	**38.39**
173104	Astec ♠	LPT42	+5V@0.4A; +12V@0-0.5A; -12V@0-0.5A	40.0W	85-264@47-440	50	UL/CSA/CE/CB	**38.99**	**37.49**	**34.99**
1773662	Astec ♠	LPT43	+5V@0.5A-6A; +12V@0-0.5A; -12V@0-0.5A	40.0W	85-264@47-440	50	UL/CSA/CE/CB	**44.55**	**41.05**	**39.95**
1773700	Astec ♠	LPT45	+5V@0.4A-4A; +15V@0.2A-2A; -15V@0-0.5A	40.0W	85-264@47-440	50	UL/CSA/CE/CB	**44.55**	**41.05**	**39.95**
1773726	Astec ♠	LPT46	+5V@0.4A-4A; +24V@0.1A-1A; -12V@0-0.5A	40.0W	85-264@47-440	50	UL/CSA/CE/CB	**44.95**	**39.59**	**36.75**
229122	Phihong ♻	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	**32.09**	**28.91**	**26.00**

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
210841	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	**$17.95**	**$15.29**	**$11.44**
622539	Phihong ✔	PSA-4034	+5.1V@.5-3A; +15V@.2-2A; -15@0.5A	40.0W	90-264@47-63	5.0x3.0x1.2	4.5x2.6x0.16	50	—	—	UL/CSA/VDE/CE	**24.95**	**21.21**	**15.95**
1774180	Artesyn ♠	NFS40-7628	+5.1V@3A; +12V@ 2A; -12V@0.35A	40.0W	85-264@47-440	—	—	50	—	—	UL/CSA/VDE/CE	**67.49**	**61.33**	**56.22**

* Primary Output ♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. ✔ This product has a RoHS equivalent, manufacturer may vary.

45 to 75-Watt Open-Frame Power Supplies

Call for special versions and large quantities

PERFORMANCE At Value Prices

• Universal input



PS-65



LPT60



PSA075

45-Watt PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- Load regulation: ±3.0% (except 213728/213720: ±2.0%)
- Line regulation: ±1.0%
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Working temp.: -10˚C to +60˚C
- Size: 5.0"L x 3.0"W x 1.06"H
- Two-year warranty

60-Watt LPS & LPT Series: Single Outputs

- Overload, overvoltage and short circuit protection
- Line regulation: ±2.0%
- Size: 5.0"L x 3.0"W x 1.14"H

LPS50

- Inrush current: 60A@230VAC
- Efficiency: 80%-85%
- 55W for convection

LPS60/LPT60

- Inrush current: 18A@115; 36@230
- Efficiency: 60W/convection; 80W/30CFM forced air

65-Watt PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- Load & Line regulation: ±1.0% to ±4.0%
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Working temp.: -10˚C to +60˚C
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.

75-Watt PSA075 Series: Single Output

- Universal AC input
- 200CFM forced air required
- Efficiency: +5V-65%; +12V-70%
- Operating temp.: 0˚C to 50˚C
- Inrush current: 40A@120VAC; 80A@240VAC
- Size: 5.0L" x 3.0W x 1.3"H
- Overvoltage, short circuit protection

75-Watt NTQ123 Series: Quad Output

- Universal AC input
- 70W convection; 120W with 30CFM forced air
- Inrush current: 38A max.
- Efficiency: 65% typical at full load
- Size: 7.0L" x 4.0"W x 1.5"H
- Overvoltage, overload, thermal overload protection
- Power failure, remote inhibit, remote sense logic controls

For More Power Supplies and Complete Specifications visit www.Jameco.com.

Enclosed Power Supplies on pages 153-159.

Power

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
217332	Mean Well	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	$23.95	$20.95	$17.49
213728	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	28.59	20.89	17.59
374353	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
213720	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
194862	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
194871	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	20.99	17.99
88402	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	32.35	24.94	22.56
1773531	Astec ♠	LPS52	+5V@0-11A	55.0W	90-264@47-440	50	UL/CSA/TUV/CE/CB	48.65	43.09	41.95
190668	Astec ♠	LPS62	+5V@0-12A	60.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	59.95	55.99	53.29
1773574	Astec ♠	LPS63	+12V@0.5A	60.0W	85-264@47-440	120	UL/CSA/VDE/CE/CB	56.45	52.00	50.89
1773582	Astec ♠	LPS64	+15V@0-4A	60.0W	85-264@47-440	150	UL/CSA/VDE/CE/CB	56.45	51.83	50.89
1773591	Astec ♠	LPS65	+24V@0-2.5A	60.0W	85-264@47-440	240	UL/CSA/VDE/CE/CB	56.45	52.58	50.89
1773777	Astec ♠	LPT63	+5V@0.7A-7A; +15V@0.3A-2.8A; -15V@0-0.7A	60.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	59.99	55.07	53.89
171281	Astec ♠	LPT65	+5V@0.7A-7A; +12V@0-0.7A; +24V@0.1A-1.5A	60.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	59.95	55.09	53.89
148639	Mean Well	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
374380	Mean Well	PS-65-13.5	+13.5V@0-5.4A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
216751	Mean Well	PS-65-15	+15V@0-4.2A	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	28.55	24.43	20.35
148647	Mean Well	PS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	31.59	26.68	23.20
201946	Mean Well	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	28.49	24.43	20.35
201954	Mean Well	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
194889	Mean Well	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
194897	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	36.69	27.71	24.25
216734	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	38.79	30.02	26.56
216726	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	33.49	29.95	26.35
215707	Mean Well	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	29.95	26.95	24.45
1586285	Phihong	PSA075-050-R	+5V@0-11A	55.0W	90-264@47-63	100	UL/CUL/TUV/CE	29.55	28.64	27.82
1586293	Phihong	PSA075-120-R	+12@0-6.25A	75.0W	90-264@47-63	120	UL/CUL/TUV/CE	29.55	28.64	27.82
1774500	Astec ♠	NTQ123	+3.3V @ 0-14A; +5V@2A-12.5A; +12V@0-1A; -12V@0-0.5A	70.0W	85-264@47-63	50	UL/CSA/VDE/CE	203.85	191.12	175.75

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
226211	Phihong ✔	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	$29.95	$25.46	$19.09
692377	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-260@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	15.95	14.35	12.59

* Primary Output ♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. ✔ This product has a RoHS equivalent, manufacturer may vary.

100 to 150-Watt Open-Frame Power Supplies

Enclosed Power Supplies on pages 153-159.

• 100% full burn-in test


LPS-100

100-Watt LPS-100 Series: Single Output

- Auto-switch AC input
- Line regulation: ±0.5%
- Working temperature: -10˚C to + 60˚C
- Load regulation: ±1.5%, except 173463: ±0.5%
- Inrush current: 30A @ 120VAC
- Size: 8.74"L x 2.44" x 1.25"W
- Three-year warranty
- No minimum load required
- Voltage adjustment: 10%
- Weight: 0.8 lbs.

PERFORMANCE At Value Prices


LPS110

110-Watt LPS110 & LPQ-110 Series: Single & Quad Outputs

- Universal input
- Inrush current: 18A @ 115VAC; 36A @ 230VAC
- Efficiency: 70%
- Power failure and remote sense logic control
- Size: 7.0"L x 4.0"W x 1.8"H
- Overload, overvoltage protection
- 110W with 30CFM forced air
- Regulation: ±2%


PPS-125

120 Watt PSA-120 Series: Single Output

- Universal AC input
- Operating temp.: 0˚C to 50˚C
- Efficiency: +5V-70%; +12V-75%; +24V-78%
- Inrush current: 30A@115VAC; 60A@240VAC
- Size: 5.0"L x 3.0"W x 1.3"H
- 30CFM forced air required
- Overload, short circuit protection

125-Watt PPS-125 Series: Single Output

- Universal AC input
- Working temp.: -40˚C to +85˚C
- Load regulation: ±1.0%
- Size: 5.0"L x 3.0"W x 1.4"H

PERFORMANCE At Value Prices

150-Watt LPQ-150 Series: Quad Output

- Universal input range
- Inrush current: 38A max.
- Overload, overvoltage protection
- 150W with 30CFM forced air
- Power failure, remote inhibit, remote sense logic control
- Size: 8.5"L x 4.25"W x 1.5"H
- Efficiency: 75%

MW ASTEC PHIHONG

For More Power Supplies and Complete Specifications visit www.Jameco.com.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10
173472	Mean Well ♻	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	100	UL/CUL/TUV/CE	**$55.59**	**$50.81**
173463	Mean Well ♻	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	150	UL/CUL/TUV/CE	**53.49**	**48.87**
216710	Mean Well ♻	LPS-100-48	+48V@0-2.1A	100.8W	88-264@47-63	200	UL/CUL/TUV/CE	**52.95**	**45.01**
1773312	Astec ♠	LPS114-1B	+15V@0-5.3A	110.0W	85-264@47-440	150	UL/CSA/VDE/CE/CB	**179.89**	**163.49**
1773321	Astec ♠	LPS115	+24@0-3.3A	110.0W	85-264@47-440	240	UL/CSA/VDE/CE/CB	**105.15**	**98.76**
1773216	Astec ♠	LPQ113	+5V@2A-9A; +12V@0-4.5A; -15V@0-0.7A ±5V to 25V@0-2.5V	110.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	**124.09**	**118.33**
1586331	Phihong ♻	PSA120-050-R	+5V@0-15A	75.0W	40-264@47-63	100	UL/CUL/TUV/CE	**59.99**	**57.39**
1586349	Phihong ♻	PSA120-120-R	+12V@0-10A	120.0W	40-264@47-63	120	UL/CUL/TUV/CE	**59.99**	**57.39**
1586357	Phihong ♻	PSA120-250-R	+24V@0-5A	120.0W	40-264@47-63	240	UL/CUL/TUV/CE	**59.99**	**57.39**
374089	Mean Well ♻	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	**93.99**	**79.84**
301429	Mean Well ♻	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	150	UL/CUL/TUV/CE	**93.99**	**79.84**
1773232	Astec ♠	LPQ152	+5V@2A-15A; +12V@0.1A-6A; +12V@0.1A-2A; ±5V to 25V@0-2.5A	150.0W	85-132/ 170-264@47-63	50	UL/CSA/VDE/CE/CB	**196.45**	**177.70**
1773241	Astec ♠	LPQ153	+5V@2A-15A; +15V@0.1A-4.8A; -15V@0.1A-1.6A; ±5V to 25V@0-2.5A	150.0W	85-132/ 170-264@47-63	50	UL/CSA/VDE/CE/CB	**196.45**	**184.59**
1773259	Astec ♠	LPQ154	+5V@2A-15A; +12V@0.1A-6A; +24V@0.5A-3.5A; -12V@0.1A-2.0A	150.0W	85-132/ 170-264@47-63	50	UL/CSA/VDE/CE/CB	**196.45**	**184.59**

Call for special versions and large quantities

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10
220231	Artesyn♠	NFS110-7604P	+5.1V@8A; +15V@4A; -5V@0.5; -15V@0.5A	110.0W	85-264@47-440	—	—	50	—	—	UL/CSA/VDE/CE	**$104.79**	**$101.99**

* Primary Output ♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

We're Listening to Your Requests

Email us 24/7 at **NewProducts@Jameco.com** with suggestions for products you'd like to see in future catalogs.

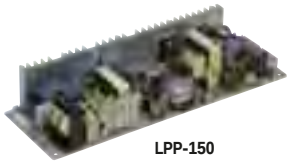
♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Color Code Legend: New Sale Lower$ QtySave

150 to 350-Watt Open-Frame Power Supplies

Enclosed Power Supplies on pages 153-159.

- 100% full burn-in test
- Line regulation: ±0.5%
- Three-year warranty



LPP-150



LPS250/LPQ-250



USP-350

150-Watt LPP-150 Series: Single Output

- Voltage adjustment: 10%
- Auto-switch AC input
- Load regulation: 213681 ±1.0%; 213672 & 216646: ±0.5%
- Mating connector: P/N 215950, see web
- Size: 8.74"L x 2.95"W x 1.61"H

PERFORMANCE At Value Prices

200-Watt PPS-200 Series: Single Output

- High efficiency up to 90% (typical)
- PWM control & regulated
- Free air convection for 150W; 20.5 CFM forced air for 200W
- Short circuit, overload, overvoltage protection
- Size: 5.0"L x 3.0"W x 1.4"H
- Mating connector: P/N 104433, pg 103
- Load regulation: ±1.0%

PERFORMANCE At Value Prices

250-Watt LPS-250 & LPQ-250 Series: Single & Quad Output

- Universal input
- Efficiency: 75%
- In-rush current: 20A max.; cold start at 25˚C
- With cover: 250W with 30CFM forced air
- Overload, overvoltage protection, thermal overload
- Size: 10.3"L x 5.0"W x 2.0"H
- Power failure, remote on/off, DC, remote sense logic controls

225 & 350-Watt U Bracket Type USP-225 & USP-350 Series: Single Output

PERFORMANCE At Value Prices

- Active AC surge current limiting
- Load regulation: ±1.0%
- Short circuit, overload, overvoltage, overtemperature protection

USP-225 Series: Single Output

- Size: 8.0"L x 4.0"W x 1.5"H
- Free air convection for 150W and forced air convection for 225W
- Mating connectors: P/N 104433 or 463435 (input), pg 103; P/N 364832 (output), see web
- Working temperature: -20°C to +65°C

USP-350 Series: Single Output

- Size: 9.3"L x 4.0"W x 1.5"H
- Free air convection for 300W; 23.5 CFM forced air for 350W
- Working temperature: -10°C to +65°C

For More Power Supplies and Complete Specifications visit www.Jameco.com.

Power

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10
213681	Mean Well ♻	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	$68.45	$64.60
213672	Mean Well ♻	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	150	UL/CUL/TUV/CE	68.45	64.60
216646	Mean Well ♻	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	250	UL/CUL/TUV/CE	74.59	70.41
668713	Mean Well ♻	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	105.89	99.69
668721	Mean Well ♻	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	158.95	149.65
668730	Mean Well ♻	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65
1776193	Astec ♠	LPS254-(C)	+15V@0.5A-16.7A	250.5W	85-264@47-440	150	UL/CSA/VDE/CE/CB	277.45	265.20
1776206	Astec ♠	LPS255-(CF)	+24V@0.32A-10.4A	249.6W	85-264@47-440	240	UL/CSA/VDE/CE/CB	295.89	276.95
1773486	Astec ♠	LPS255-(C)	+24V@0.32A-10.4A	249.6W	85-264@47-440	240	UL/CSA/VDE/CE/CB	277.45	257.59
1776214	Astec ♠	LPQ252-(CF)	+5V@3A-35A; +12V@0-10A;-12V@0-6A; ±5V to -25V@0-6A	250.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	357.49	321.10
1773291	Astec ♠	LPQ252-(C)	+5V@3A-35A; +12V@0-10A;-12V@0-6A; ±5V to -25V@0-6A	250.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	303.35	286.53
1776222	Astec ♠	LPQ253-(CF)	+5V@3A-35A; +15V@0-10A;-15V@0-6A; ±5V to -25V@0-6A	250.0W	85-264@47-440	50	UL/CSA/VDE/CE/CB	439.99	419.99
694452	Mean Well ♻	USP-225-3.3	+3.3V@0-40A	132.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	129.69	123.75
694461	Mean Well ♻	USP-225-5	+5V@0-40A	200.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25
694479	Mean Well ♻	USP-225-12	+12V@0-18.7A	224.4W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25
694487	Mean Well ♻	USP-225-15	+15V@0-15A	225.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25
694495	Mean Well ♻	USP-225-24	+24V@0-9.4A	225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB	126.99	121.25
694508	Mean Well ♻	USP-225-48	+48V@0-4.7A	225.6W	90-264@47-63	250	UL/CUL/TUV/CE/CB	129.69	123.75
694399	Mean Well ♻	USP-350-3.3	+3.3V@0-70A	231.0W	90-264@47-63	80	UL/CUL/TUV/CE	203.59	197.49
694401	Mean Well ♻	USP-350-5	+5V@0-70A	350.0W	90-264@47-63	80	UL/CUL/TUV/CE	203.59	197.49
694410	Mean Well ♻	USP-350-12	+12V@0-29.2A	350.4W	90-264@47-63	100	UL/CUL/TUV/CE	203.59	197.49
694428	Mean Well ♻	USP-350-15	+15V@0-23.4A	351.0W	90-264@47-63	100	UL/CUL/TUV/CE	203.59	197.49
694436	Mean Well ♻	USP-350-24	+24V@0-14.6A	350.4W	90-264@47-63	150	UL/CUL/TUV/CE	203.59	197.49

Call for special versions and large quantities

* Primary Output

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.



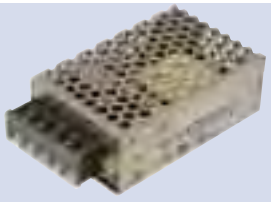
Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

25-Watt Enclosed

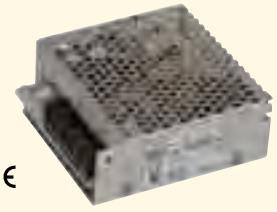
RS-25 Series: Single Output



- New smaller design: 3.0" x 2.0" x 1.1"
- 3.66 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit, overload, overvoltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103588, pg 120
- Three-year warranty

25-Watt Enclosed

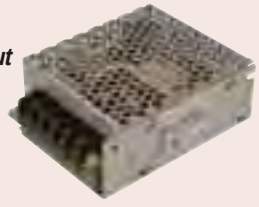
S-25 Series: Single Output



- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- 1.2 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: 103588, pg 120
- Working temp.: -10˚C to +60˚C
- Mounting hardware: use P/Ns 222122, 222156, 222173 & 222164 (see web)
- See **www.Jameco.com** for specifications
- Two-year warranty

35-Watt Enclosed

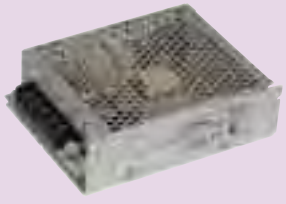
RS-35 & RD-35 Series: Single & Dual Output



- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit, overload, overvoltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103588, pg 119
- Three-year warranty

40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output



- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 119
- Working temperature: -10˚C to +60˚C
- Mounting hardware: use P/Ns 222122, 222156 & 222173 (see web)
- See **www.Jameco.com** for specifications
- Two-year warranty

MW PERFORMANCE At Value Prices

For PC Power Supplies, see page 180.

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
693193	Mean Well	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	$29.69	$25.75	$24.45
323282	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.69	25.75	24.46
323300	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.69	25.75	24.45
323302	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
323311	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.65	25.75	24.45
123247	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	41.95	33.71	30.35
123255	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	41.95	33.71	30.35
123263	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	41.95	33.71	30.35
123272	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	41.95	33.71	30.35
639214	Mean Well	RS-35-3.3	+3.3V@0-7A	23.1W	80	2	0.5	UL/CUL/TUV/CE/CB	36.15	31.36	29.79
323329	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	37.25	31.36	29.79
323337	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	38.09	33.15	29.95
323345	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	28.13
323353	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.59	31.69	30.09
693222	Mean Well	RS-35-48	+48V@0-0.8A	38.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	37.59	31.69	30.09
323362	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.19	35.28	33.53
323380	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.19	35.28	33.52
123290	Mean Well	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	46.75	40.15	36.09
123298	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	46.75	40.15	36.09
202140	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	46.75	40.15	36.09
123319	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	46.75	40.15	36.09
201989	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	54.95	46.71	35.02
201997	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90
202009	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	50.45	42.52	38.28

Call for special versions and large quantities

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
689848	Potrans	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	$22.95	$20.40	$15.30
692422	Volgen	SX15U-05S	+5V@3.0A	15.0W	100	—	—	UL/CSA	19.95	17.95	16.15
689805	Potrans	1M041C05-1M	+5V@0-8.0A	40.0W	75	—	—	UL/CUL/TUV/CE	38.95	35.00	26.25
689830	Potrans	1M041C12-1M	+12V@0-3.5A	42.0W	100	—	—	UL/CUL/TUV/CE	38.95	35.00	29.95
689792	Potrans	1M041C24-1M	+24V@0-1.8A	43.0W	100	—	—	UL/CUL/TUV/CE	38.95	35.00	26.25

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

50 to 75-Watt Enclosed Switching AC-to-DC Power Supplies

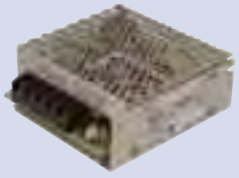
Color Code Legend: New | Sale | Lower$ | QtySave

See page 217 for Additional New 60 to 100W Power Supplies

50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output

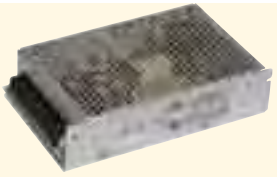
- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications



60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series: Single, Dual, Triple & Quad Outputs

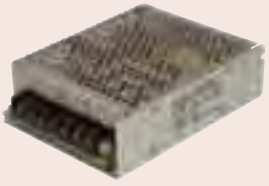
- 100% full-load burn-in
- Two-year warranty
- See www.Jameco.com for specifications



65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series: Dual, Triple & Quad Outputs

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications



75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- See www.Jameco.com for specifications



MW | PERFORMANCE At Value Prices

For PC Power Supplies, see page 180.

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
693231	Mean Well	RS-50-3.3	+3.3V@0-10A	33.0W	80	2	0.5	UL/CUL/TUV/CE/CB	$40.59	$34.65	$32.89
323388	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323396	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323409	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323417	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
693249	Mean Well	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323425	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.55	37.62	35.74
323433	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.19	34.30	32.59
323442	Mean Well	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	45.09	39.20	37.24
323460	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.55	39.60	37.62
323468	Mean Well	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323492	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	45.09	40.18	37.24
123327	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	58.29	44.82	40.28
123335	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	58.29	44.82	40.28
123343	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123352	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	58.29	44.82	40.28
123458	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	58.25	46.75	42.08
123466	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	58.25	46.75	42.05
123482	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	49.82	44.84
123491	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	48.82	44.84
147046	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	68.59	57.09	51.39
323505	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323513	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.55	40.59	38.56
323540	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323548	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	48.05	40.35	38.33
323564	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323572	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.95	41.26	39.24
693257	Mean Well	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65
323581	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65
323599	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65
323602	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65
323620	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65
693265	Mean Well	RS-75-48	+48V@0-1.6A	76.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	45.55	38.59	36.65

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
689784	Potrans	1M051C05-0M	+5V@10.0A	50.0W	—	—	—	UL/CUL	$34.95	$31.00	$23.25
689768	Potrans	FS-06005-0M	+5V@0-12.0A	60.0W	120	—	—	UL/CUL/CE	45.95	41.00	30.75
689821	Potrans	1M051C12-1M	+12V@0-4.2A	50.0W	100	—	—	UL/CUL/TUV/CE	34.95	31.00	23.25
689813	Potrans	1M061C05-0M	+12V@0-5.0A	60.0W	120	—	—	UL/CUL/TUV/CE	47.95	43.00	37.95

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

75 to 100W Enclosed Switching AC-to-DC Power Supplies

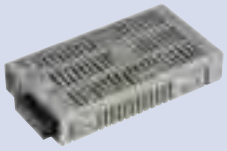
See page 217 for Additional New 60 to 100W Power Supplies

75 & 85-Watt Enclosed with Power Factor Correction

SP-75 Series: Single Output

RD-85 & RT-85 Series: Dual & Triple Output

- 100% full-load burn-in • Three-year warranty
- See **www.Jameco.com** for specifications



100-Watt Enclosed w/ PFC

CLG-100 Series: Single Output

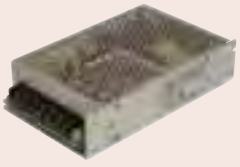
- Universal AC input/full range • Three-year warranty
- Safety standard UL1310 Class 2, IP67
- See **www.Jameco.com** for specifications



100-Watt Enclosed

RS-100 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- See **www.Jameco.com** for specifications



100-Watt Enclosed

S-100F Series: Single Output

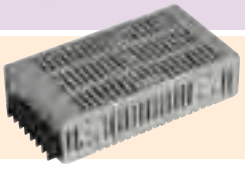
- 100% full-load burn-in
- Two-year warranty
- See **www.Jameco.com** for specifications



100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in • Three-year warranty • See **www.Jameco.com** for specifications



MW PERFORMANCE At Value Prices

For PC Power Supplies, see page 180.

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
693370	Mean Well	SP-75-3.3	+3.3V@0-15.0A	49.5W	80	1	0.5	UL/CUL/TUV/CE/CB	$78.45	$74.48	$71.49
194830	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	71.94	64.76	58.28
194838	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	83.94	73.26	64.67
693396	Mean Well	SP-75-13.5	+13.5V@0-5.6A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	78.45	74.48	71.49
194846	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	83.94	73.26	64.67
194854	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	83.94	73.26	64.67
693409	Mean Well	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	78.45	74.48	71.49
323628	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.65	56.84	54.00
323661	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	72.55	61.74	58.65
1585805	Mean Well	CLG-100-12	+12V@0-5A	60.0W	150	2	1	UL/CUL/TUV/CE	136.99	111.17	91.17
1585856	Mean Well	CLG-100-15	+15V@0-5A	75.0W	150	2	1	UL/CUL/TUV/CE	136.99	111.17	91.17
1585864	Mean Well	CLG-100-20	+20V@0-4.8A	96.0W	150	2	1	UL/CUL/TUV/CE	136.99	111.17	91.17
1585872	Mean Well	CLG-100-24	+24@0-4A	96.0W	150	2	1	UL/CUL/TUV/CE	136.99	111.17	91.17
1585733	Mean Well	CLG-100-27	+27V@0-3.55A	95.85W	150	2	1	UL/CUL/TUV/CE	127.50	111.17	91.17
1585750	Mean Well	CLG-100-36	+36V@0-2.65A	95.4W	150	2	1	UL/CUL/TUV/CE	127.50	111.17	91.17
1585768	Mean Well	CLG-100-48	+48V@0-2A	96.0W	200	2	1	UL/TUV/CE	127.50	111.17	91.17
693273	Mean Well	RS-100-3.3	+3.3V@0-20.0A	66.0W	80	2	0.5	UL/CUL/TUV/CE/CB	63.45	54.45	51.75
323716	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.35	54.45	51.75
323724	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.35	54.45	51.75
323732	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	59.35	54.77
201962	Mean Well	S-100F-5	+5V@0-20A	100.0W	100	1	0.5	UL/TUV/CE/CB	70.29	52.39	47.14
374919	Mean Well	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123386	Mean Well	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	70.29	52.39	47.14
201971	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	70.29	52.39	47.14
216793	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	70.29	52.39	47.14
693441	Mean Well	SP-100-3.3	+3.3V@0-20.0A	66.0W	100	1	0.5	UL/CUL/TUV/CE/CB	90.19	85.26	81.85
194791	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
693450	Mean Well	SP-100-7.5	+7.5V@13.5A	101.3W	100	1	0.5	UL/CUL/TUV/CE/CB	90.19	85.26	81.85
194803	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
693476	Mean Well	SP-100-13.5	+13.5V@0-7.5A	101.3W	100	0.5	0.5	UL/CUL/TUV/CE/CB	90.19	85.26	81.85
194812	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	92.39	78.53	58.90
213778	Mean Well ⊕	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	111.15	94.08	70.56

Call for special versions and large quantities

* Primary Output

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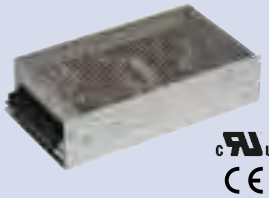
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

120-Watt Enclosed

D-120 & Q-120 Series: Dual & Quad Outputs

- 100% full-load burn-in
- Two-year warranty
- See **www.Jameco.com** for specifications



125 & 150-Watt Enclosed

- 100% full-load burn-in
- Three-year warranty
- See **www.Jameco.com** for specifications

RD-125, RT-125 Series: Dual & Triple Outputs

RS-150 Series: Single Output

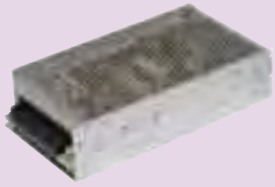
- New smaller design: 7.8" x 3.9" x 1.5"



150-Watt Enclosed

S-150 Series: Single Output

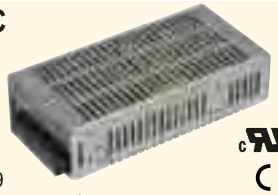
- 100% full-load burn-in
- Two-year warranty
- See **www.Jameco.com** for specifications



150-Watt Enclosed w/ PFC

SP-150, TP-150 & QP-150 Series: Single, Triple & Quad Outputs

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Working temperature: -10˚C to +60˚C
- Mating connector: P/N 103588, pg 119
- See **www.Jameco.com** for specifications
- Three-year warranty



PERFORMANCE At Value Prices

For PC Power Supplies, see page 180.

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
132410	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	$79.75	$66.45	$58.93
132397	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	79.75	66.45	58.93
132389	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	81.55	64.99	57.99
132371	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	81.55	64.99	57.99
323759	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323775	Mean Well	RT-125B	+5V@2-15A; +12v@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323783	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323792	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
693329	Mean Well	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
323839	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.75	58.45	56.99
323847	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
323855	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	53.35
323863	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
123394	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
123415	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
123423	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
202025	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
123432	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
123450	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
202033	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	69.79	59.33	44.49
167346	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
201903	Mean Well	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	81.15	68.89	67.51
201911	Mean Well ⊕	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	100.95	85.81	64.36
693505	Mean Well	SP-150-7.5	+7.5V@0-20.0A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	92.19
173421	Mean Well	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	94.12
394193	Mean Well ⊕	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	92.19
173412	Mean Well	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173404	Mean Well	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	101.99	97.02	94.12
693513	Mean Well	SP-150-27	+27V@0-5.6A	151.2W	150	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	94.12
201930	Mean Well	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	94.12
213832	Mean Well	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	107.25	96.47	86.83
213648	Mean Well	QP-150F	+5V@3-10A; +15V@0-3A; +24V@0.4-2A; -15V@0-0.6A	152.0W	120	2	1	UL/CUL/TUV/CE/CB	151.49	143.55	136.37

Call for special versions and large quantities

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
323871	Volgen	SP100U-24S	+24V@4.4A	105.6W	150	0.4	0.2	—	$29.75	$25.29	$21.50
1773224	Astec ♠	LPQ142-(CF)	+5V@0A-12A; +12V@0A-5A; -12V@0A-1A; ±3.3V to 25V@0.5A-1.5A	145.0W	50	2.0	2.0	UL/CSA/VDE/CE/CB	370.29	336.60	308.57

* Primary Output ♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

200 to 320W Enclosed Switching AC-to-DC Power Supplies

200-Watt Enclosed with Power Factor Correction

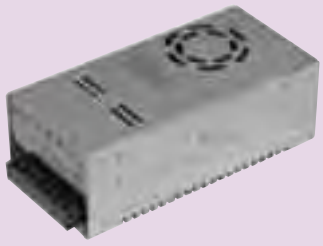
SP-200 Series: Single Output



- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103588, pg 119
- Working temperature: -10˚C to +60˚C
- See **www.Jameco.com** for specifications
- Three-year warranty

240-Watt Enclosed

S-240 Series: Single Output



- 100% full-load burn-in
- No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 119
- Input: 88-132/176-264VAC @ 47-63Hz
- See **www.Jameco.com** for specifications
- Two-year warranty

300 & 320-Watt Enclosed with Power Factor Correction

SP-300 & SP-320 Series: Single Output



- 100% full-load burn-in • Universal AC input
- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- Working temperature: SP-300: -10˚C to +60˚C; SP-320: -20˚C to 65˚C
- No minimum load required • Auto cooling fan • Voltage adjustment: 10%
- Three-year warranty

320-Watt Enclosed

S-320 Series: Single Output



- 100% full-load burn-in
- Two-year warranty
- See **www.Jameco.com** for specifications

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Call for special versions and large quantities

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
693521	Mean Well ♻	SP-200-3.3	+3.3V@0-40.0A	132.0W	100	1	0.5	UL/CUL/TUV/CE/CB	$113.69	$106.82	$102.55
202042	Mean Well ♻	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	114.85	107.91	102.55
693530	Mean Well ♻	SP-200-7.5	+7.5V@0-26.7A	202.2W	100	1	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
194774	Mean Well ♻	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
212410	Mean Well ♻	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
202060	Mean Well ♻	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	114.85	107.91	102.51
194782	Mean Well ♻	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
693548	Mean Well ♻	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
202068	Mean Well ♻	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
693556	Mean Well ♻	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB	106.85	100.94	98.92
137649	Mean Well ♻	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	106.85	100.94	98.92
202075	Mean Well ⊕	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	107.35	91.08	80.49
137657	Mean Well ♻	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
392834	Mean Well ♻	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
167338	Mean Well ♻	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
374185	Mean Well ♻	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	191.15	180.94	171.90
161980	Mean Well	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
244735	Mean Well ♻	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
394215	Mean Well ♻	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
244743	Mean Well ♻	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
693599	Mean Well ♻	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
693610	Mean Well ♻	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
244752	Mean Well ♻	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
693628	Mean Well ♻	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
244770	Mean Well ♻	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	152.89	132.30	119.07
216776	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	120.59	116.97	113.47
207212	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	129.69	115.74	109.95
207204	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47
693572	Mean Well ♻	S-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47
374993	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	120.59	116.00	113.00
196657	Mean Well ♻	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	129.69	122.76	110.48
693581	Mean Well ♻	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	120.59	116.97	113.47
207191	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	120.59	116.97	113.47

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
1585549	Potrans	FS-15024-IM	24@0-6.5A	156.0W	240	—	—	UL/CUL/CE	$44.95	$39.95	$34.95
1585557	Potrans	IM201C12-IM-02	12V@0-16.6A	200.0W	120	—	—	UL/CUL/TUV/CE	69.95	62.95	51.95
689750	Potrans	FS-20024-1M	24V@0-8.3A	200.0W	150	—	—	UL/CSA/CE/TUV	89.95	79.90	59.93
689776	Potrans	1M321C48-0M	48@0-6.5A	312.0W	240	—	—	UL/CUL	99.95	94.90	71.18
1585565	Potrans	FS-32024-IM	24V@0-12.5A	320.0W	150	—	—	UL/CUL/CE	99.95	89.95	75.95

* Primary Output

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

350-Watt Enclosed with PFC

LPS-350 Series: Single Output
LPQ-350 Series: Quad Output



- Universal AC input
- Inrush current: 38A max.
- Efficiency: 75% typical
- 350W w/ 30CFM forced air
- Overload, overvoltage, thermal overload protection
- Power failure, remote on/off, DC-OK, remote sense logic control
- Size: 10.78"L x 5.0"W x 2.5"H

480-Watt Enclosed with Power Factor Correction

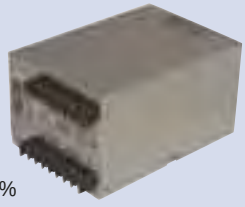
SP-480 Series: Single Output



- Input: 85-264VAC, 120-370VDC
- Working temperature: -20˚C to +60˚C
- Short circuit, overload, overvoltage, overtemperature protection
- Built-in remote ON-OFF control, and remote sense function
- Three-year warranty
- Size: 10.9"L x 5.0"W x 1.7"H
- See **www.Jameco.com** for specifications

500-Watt Enclosed with Power Factor Correction

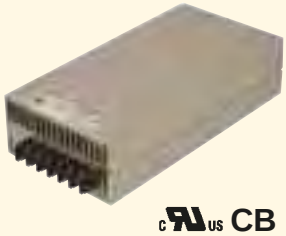
SP-500 Series: Single Output



- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum
- Remote control
- Auto cooling fan
- Voltage adjustment: 10%
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103588, pg 119
- Working temperature: -10˚C to +60˚C
- See **www.Jameco.com** for specifications
- Three-year warranty

600-Watt Enclosed

SE-600 Series: Single Output



- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit, overload, overvoltage, overtemperature protection
- Working temperature: -20˚C to +60˚C
- Size: 9.7"L x 5.0"W x 2.5"H
- See **www.Jameco.com** for specifications
- Two-year warranty

600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output



- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Current sharing up to 2400W (3 +1)
- Built-in remote ON-OFF control, and remote sense function
- Short circuit, overload, overvoltage, overtemperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103588 or 302877, pg 118
- Working temperature: -20˚C to +50˚C
- See **www.Jameco.com** for specifications
- Three-year warranty

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output



- 100% full-load burn-in
- Auto cooling fan
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Mating connector: P/N 103588, pg 119
- Working temperature: -10˚C to +65˚C; (+50˚C to -65˚C @ 50% load)
- Mounting hardware: use P/Ns 222156 & 222173
- See **www.Jameco.com** for specifications
- Two-year warranty

Power

MW | ASTEC | PERFORMANCE At Value Prices

For PC Power Supplies, see page 180.

For more Power Supplies visit www.Jameco.com

Open-Frame Power Supplies on pages 148-152.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
1776231	Astec ♠	LPS355-(CEF)†	+24V@0-14.6A	350.4W	240	2	2	UL/CSA/VDE/CE/CB	$398.65	$392.60	$379.97
1776249	Astec ♠	LPQ352-(CF)‡	+5V@5A; +12V@0-12A; -12V@0-6A; -3.3V to 24V@1A-6A	350.0W	50	2	2	UL/CSA/VDE/CE/CB	450.95	428.40	419.95
693636	Mean Well ♻	SP-480-3.3	+3.3V@0-85.0A	280.5W	80	1	0.5	UL/CUL/TUV/CE/CB	248.49	216.79	199.95
693644	Mean Well ♻	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB	248.49	216.79	199.95
301373	Mean Well ♻	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	248.49	216.79	199.95
693652	Mean Well ♻	SP-480-15	+15V@0-35.0A	480.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	245.99	214.62	193.16
301322	Mean Well ♻	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301402	Mean Well ♻	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	248.49	216.79	199.95
190693	Mean Well ♻	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	279.95	241.99	217.84
147054	Mean Well ♻	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	279.95	241.99	217.84
190706	Mean Well ♻	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	279.95	241.99	217.84
161796	Mean Well ♻	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	287.45	248.52	223.68
374002	Mean Well ⊕	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.00	140.00
291522	Mean Well ⊕	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911	Mean Well ⊕	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
374214	Mean Well ♻	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	239.99	229.43	217.97
374222	Mean Well ♻	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374231	Mean Well ♻	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374257	Mean Well ♻	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.99	238.99	226.99
374249	Mean Well ♻	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	201.35	192.46	182.86
220249	Mean Well ⊕	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	292.99	276.99	269.99
220257	Mean Well ⊕	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	293.05	277.20	249.48
220265	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	292.99	276.99	269.99
374062	Mean Well ♻	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99

Call for special versions and large quantities

* Primary Output † End mounted fan chassis ‡ Cover w/ fan

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

500 to 1500W Enclosed Switching AC-to-DC Power Supplies

500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output


PSP-500

- 100% full-load burn-in
- No minimum load required
- Auto cooling fan
- Mating connector: P/N 103588, pg 119
- Working temperature: -10˚C to +60˚C
- Voltage adj.: 10%
- 3.6 watts/in³ maximum
- Remote sense and control
- Three-year warranty
- See **www.Jameco.com** for specifications

PSP-500 & PSP-1000: • Parallel operation (current sharing) • Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC
PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC

1000 & 1500-Watt Enclosed with Power Factor Correction


RSP-1500

- Universal AC input/full range
- Short circuit, overload, overvoltage, overtemperature protection
- Forced air cooling by built-in fan
- Built-in remote ON-OFF control
- Working temperature: -20°C to +70°C
- Three-year warranty

RSP-1000 Series: Single Output

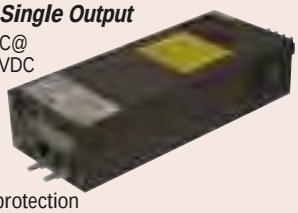
- 1U low profile (41 mm)
- Built-in 5V/0.5A auxiliary power
- Power density: 10.7W/in³
- DC OK signal
- Size: 11.6"L x 5"W x 1.6"H

RSP-1500 Series: Single Output, Current Sharing

- ZVS new technology
- Built-in 12V/1A auxiliary power
- Current sharing up to 6000W (3 + 1)
- 8.3W / inch³
- Size: 10.9"L x 5.0"W x 3.3"H

800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output



- Input: 180-260VAC@ 47-63Hz/260-370VDC
- PFC: >0.98 @ 230VAC
- Short circuit, overload, overvoltage, overtemperature protection
- Forced air cooling by built-in DC fan
- Built-in remote sense function, and remote ON-OFF function
- Power good signal
- With parallel function (N +1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103588 or 302877, pg 118
- Working temperature: -20˚C to +65˚C
- Three-year warranty
- See **www.Jameco.com** for specifications

For more Power Supplies visit www.Jameco.com

For PC Power Supplies, see page 180.

PERFORMANCE At Value Prices

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
190714	Mean Well ♻	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$283.49	$240.93	$180.69
190722	Mean Well ♻	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	283.49	240.93	180.69
190731	Mean Well ♻	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	283.49	240.93	180.69
190749	Mean Well ♻	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	283.49	240.93	180.69
374310	Mean Well ⊕	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	375.49	281.62
374337	Mean Well ♻	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	455.75	419.84	393.60
217366	Mean Well ♻	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217358	Mean Well ♻	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
231652	Mean Well ♻	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
217350	Mean Well ♻	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
1585670	Mean Well ♻	RSP-1000-12	+12V@0-60A	720W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
1585696	Mean Well ♻	RSP-1000-15	+15V@0-50A	750W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
1585717	Mean Well ♻	RSP-1000-24	+24V@0-40A	960W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
1585709	Mean Well ♻	RSP-1000-27	+27V@0-37A	999W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
1585725	Mean Well ♻	RSP-1000-48	+48V@0-21A	1008W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
231685	Mean Well ⊕	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	565.89	514.52	467.74
373923	Mean Well ⊕	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	771.25	655.56	491.67
231714	Mean Well ⊕	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	809.49	735.80	566.89
694903	Mean Well ♻	RSP-1500-5	+5V@0-240A	1200W	150	2	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694911	Mean Well ♻	RSP-1500-12	+12V@0-125A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694920	Mean Well ♻	RSP-1500-15	+15V@0-10A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694938	Mean Well ♻	RSP-1500-24	+24V@0-63A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694946	Mean Well ♻	RSP-1500-27	+27V@0-56A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694954	Mean Well ♻	RSP-1500-48	+48V@0-32A	1536W	200	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94

Call for special versions and large quantities

* Primary Output

Custom-Configured Mean Well Modular Power Supplies

Specific Configurations for All of Your Power Needs!

Looking for a supply with unique voltage or current requirements? How about more than four outputs? Now Jameco offers Mean Well's Modular power supplies, custom-configured at the factory to your specific needs, with up to 14 isolated outputs.

There are thousands of combinations available for the modular series. This solution provides engineers with one of the fastest ways to procure custom configured power supplies with safety and EMC certificates.



These modular power supplies are custom orders. For all inquiries including specific lead times, please contact Jameco's Power Supply Department at 1-800-794-9100, ext. 563.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

DIN-Rail Switching Power Supplies

For more DIN-Rail Switching Power Supplies visit www.Jameco.com

UL-508


373182 (Fig. 1)


192699 (Fig. 2)


212291 (Fig. 3)


212274 (Fig. 4)


221892 (Fig. 5)


252663 (Fig. 6)


248736 DIN Mounting Rail

- Low cost, high reliability
- Universal AC input range
- Soft-start circuit, limiting AC surge current
- 100% full-load burn-in test
- Short circuit, overload, overvoltage protection
- For DIN-Rail terminal blocks see pg 117

Part No.	Product No.	Fig.	Pwr (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373174	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	$43.19	$38.86	$34.98
373182	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	43.19	38.86	34.98
373191	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373203	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	43.29	38.96	35.06
212303	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	48.35	43.53	39.16
192699	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	48.35	43.53	39.16
221875	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	48.35	43.53	39.16
192681	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	48.35	43.53	39.16
373212	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	45.51
373230	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	44.51
373238	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	44.51
373246	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	45.51
212291	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	86.15	81.18	73.06
212282	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	81.35	73.21	65.89
212274	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	97.99	92.07	87.47
212266	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	89.95	80.96	72.87
221904	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	89.95	80.96	72.87
221892	DRP-24024 †	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
221883	DRP-24048 †	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373123	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	183.95	165.56	157.28
252663	DRP-48024 †	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	229.89	207.99	187.19
295938	DRP-480S-24 †	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	236.65	214.99	191.67
301306	DRP-480S-48 †	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	236.65	214.99	191.67
373131	DRT-960-24	6	960	24VDC @ 40A	3-phase 340-550 @ 47-63	2.0A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	445.49	400.95	360.86
373149	DRT-960-48	6	960	48VDC @ 20A	3-phase 340-550 @ 47-63	2.0A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	445.49	400.95	360.86

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248736	2094.0	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	$7.15	$5.72	$4.31

*Switch selectable † With Power Factor Correction

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short circuit protected
- Fuse protected
- Output mating terminals: see pg 120 for cigarette plugs & pg 194 for banana terminal plugs

1918745 Cigarette plug



136581 Banana terminal



138668 Banana terminal (rear)



Part No.	Model No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1918745	SPS-1204UL	46.2	13.2VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	$39.95	$34.95	$32.95
136581	RPS1207#	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	38-381	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138676	52-192012	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

P/N 136581 includes overheating protection

108-Watt Desktop Power Supplies

- Input voltage: 88-132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Short circuit, overload, overvoltage, overtemperature protection
- Front panel on/off switch & 3 color LED loading indicator
- Voltage adjustment range: 12VDC to 15VDC
- Ripple and noise max.: 120mVp-p
- Load regulation: ±2%
- Line regulation: ±5%
- Efficiency (typical): 81%
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H
- Weight: 3.3 lbs.



Part No.	Product No.	Description	1	10	25
673230	ESP-120-13.5	13.5V @ 0 – 8A	$58.39	$56.93	$54.99

Over 99% of Our Catalog Products Are In Stock



Place your order by 6PM EST for same business-day shipment.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Linear, Rackmount Power Supplies & DC-DC Converters

power-one

For more Power-One Power Supplies visit www.Jameco.com

Linear Power Supplies



- Worldwide AC input capabilities – 100/120/220/230/240 VAC
- Low output ripple
- 100% burn-in test
- 2-year warranty
- UL/CSA/TUV approvals
- CE marked to low voltage directive
- Overvoltage protection standard on 5V single outputs
- Output regulation: ±0.05%
- Load & line regulation: ±0.05%
- MTBF in excess of 300,000 hours

Part No.	Product No.	Output Voltage (VAC) @ Current (A)	Ripple & Noise (mV p-p)	Size (L" x W" x H")	1	10	100
697371	HAA15-0.8-A♠	+12@1.0; -5@0.4	5.0	6.50 x 4.00 x 2.10	$63.79	$60.75	$57.86
697389	HB24-1.2-A♠	+24@1.2	3.0	4.87 x 4.00 x 2.10	51.85	49.36	47.01
697397	HB5-3/OVP-A♠	+5@3.0	5.0	4.87 x 4.00 x 2.10	51.85	49.36	47.01
697400	HC24-2.4-A♠	+24@2.4	3.0	5.62 x 4.87 x 2.95	74.25	70.71	67.35
697451	HTAA-16W-A♠	+5@2.0; +12 to +15@0.4; -12 to -15 @ 0.4	5.0	6.50 x 4.00 x 2.10	81.75	77.83	74.13

Rackmount Power Supplies

N+1 DC Power System with Battery Back-up Charging



- N+1 redundancy
- Volt/ampere meter
- Input voltage range: 105 to 125VAC, 60Hz
- Remote monitoring and indication
- Forced air cooling by 2 fans
- Short circuit, current limit, fan failure, input surge suppression protection
- Chassis & cover: steel (black epoxy powder coat) • Size: 19"W x 15.9"D x 3.6"H

Part No.	Product No.	Output (VDC @ A)	Wt. (lbs.)	1	10	25
673310	SEC-100BRM ✣	13.8 @ 100	25.0	$659.95	$626.95	$595.65

600W Single Output



- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function • Ripple & noise: 150mVp-p max.
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short circuit, overload, overvoltage, overtemperature protection
- Size: 19.5"W x 5.0"D x 3.5"H

Part No.	Product No.	Output (VDC @ A)	1	10	25
673395	SE-600-24RM ✣	24 @ 25	$252.75	$240.15	$228.15
673408	SE-600-48RM ✣	48 @ 12.5	252.75	240.15	228.15

✣ This product is a special order, non-cancelable, non-returnable and may take up to 2 weeks to ship.

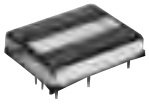
Order Anytime, Day or Night

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

DC-DC Converter Input Filter

power-one

For more Power-One DC-DC Converter Input Filters visit www.Jameco.com



- Optimized for Power-Ones high density, board mounted products
- >30dB insertion loss @ 500kHz
- 100VDC operation • 1500V isolation
- PCB mountable • Industry standard input
- Common-mode & differential-mode filtering
- Insertion loss differential mode: 28dB • Current: 5A
- Insertion loss common mode: 30dB • Typical resistance: 27mΩ

Part No.	Product No.	Size (L" x W" x H")	1	10	100
697354	FC100V10A♠	2.0 x 1.0 x 0.44	$22.45	$21.36	$20.34

DC-DC Converters

power-one

For more Power-One DC-DC Converters visit www.Jameco.com

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. °C	Efficiency (%)	MTBF (hours)	Pricing 1	Pricing 10	Pricing 100
923251	YM12S05	9.6V-14V	0.75V to 5.5V@5A	28W	0.80x0.45x0.25	5	±1mV	—	-40 to 85	92%	71,800,000	$15.45	$14.03	$12.86
865629	ZY1207-T2 (POL)♠	3V-14V	0.5 to 5.5V@7A	38W	0.86x0.50x0.25	36	0.2%	0.2%	-40 to 85	—	6,240,000	31.35	28.45	26.08

MW

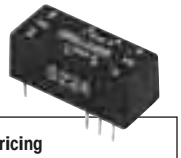
0.5 & 1-Watt Unregulated Encapsulated Converters

For more Mean Well Unregulated Encapsulated Converters visit www.Jameco.com

SRS-05 & SPR01 Series: Single Output

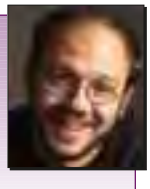
- 1000VDC isolation
- Input filter: capacitor type
- Working temperature: -15˚C to +60˚C
- No external components needed
- 100% burn-in test
- Protection: short circuit
- One-year warranty

SRS-05



Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25	Pricing 100
213226	SRS-0505R	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	$5.05	$4.79	$4.55	$4.33
216831	SPR01L-12R	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	9.49	8.54	7.68	6.91

Localize Your Power



When you're thinking about powering your creation, consider the use of a localized DC-to-DC converter. These devices are great for odd voltages and relatively low current requirements. Plus, you'll have less noise without the leads connecting to the power supply.

Practical Practices
Money Saving Tips for the Engineer

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

For more Mean Well Encapsulated Converters visit www.Jameco.com



SLW05



AEE02

3 to 15-Watt Encapsulated Converters

- Input filter: Pi network
- 2:1 wide input range
- 100% burn-in test
- Shielded metal case
- Protection: short circuit & overload
- One-year warranty

3, 5 & 10-Watt SCW03, DCW03, SLW05, SKE10 & DKE10 Series: Single & Dual Outputs

- Regulated
- Isolation voltage: 1000VDC
- Working temperature: -15˚C to +60˚C

10-Watt AEE02 Series: Low Single Outputs

- Isolation voltage: 500VDC (input/output)
- Isolation resistance: 300MΩ
- Efficiency: 79% typical (5V)
- Voltage tolerance: 1%
- Switching frequency: 330kHz
- Operating base temperature range: -25˚C to +95˚C

15-Watt SKE15 & DKE15 Series: Single & Dual Outputs

- Regulated
- Isolation voltage: 1000VDC
- Free-air convection cooling
- Working temp.: -15˚C to +60˚C

PERFORMANCE At Value Prices

For Complete Specifications visit www.Jameco.com.

Jameco Part No.	Product No.	Manufacturer	Input Range	Output Voltage@Current	Output Power	Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
213269	SCW03A-05	Mean Well	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	$16.75	$15.07	$13.60	$12.19
155919	DCW03A-05	Mean Well	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161702	DCW03A-12	Mean Well	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	22.19	20.02	18.01	16.21
220354	SLW05A-033	Mean Well	9-18V	+3.3V@1500mA	5W	2.0x1.0x0.44	5	0.2	0.5	100	23.95	21.54	19.40	17.45
216929	SLW05A-05	Mean Well	9-18V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	26.45	23.37	21.47	19.35
216882	SLW05A-15	Mean Well	9-18V	+15V@333mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216937	SLW05B-05	Mean Well	18-36V	+5V@100mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216911	SLW05B-12	Mean Well	18-36V	+12V@417mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
213234	SLW05C-05	Mean Well	36-72V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.49	17.52	15.76	14.19
216962	SKE10A-05	Mean Well	9-18V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	34.29	30.85	27.22	26.27
216980	SKE10A-15	Mean Well	9-18V	+15V@666mA	10W	2.0x1.0x0.44	5	0.3	1.0	60	34.29	30.85	27.22	26.27
216953	SKE10B-05	Mean Well	18-36V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217024	SKE10B-12	Mean Well	18-36V	+12V@840mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	35.79	33.39	30.79	28.89
216945	SKE10C-05	Mean Well	36-72V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	34.29	30.85	27.22	26.27
217032	DKE10A-05	Mean Well	9-18V	+5V@1000mA; -5V@1000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	38.09	34.29	27.42	20.57
217092	DKE10A-12	Mean Well	9-18V	+12V@420mA; -12V@420mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.35	32.71	29.07	26.47
217112	DKE10A-15	Mean Well	9-18V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217075	DKE10B-15	Mean Well	18-36V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
1768741	AEE02A24 ♠	Astec	18-36V	+5V@200mA	10W	1.0x2.0x0.33	4	1.0	1.0	50	22.85	22.23	21.99	21.64
155716	SKE15A-05	Mean Well	9-18V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	35.99	32.49	29.15	26.35
155708	SKE15A-12	Mean Well	9-18V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35
155695	SKE15A-24	Mean Well	9-18V	+24V@625mA	15W	2x2x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35
213277	SKE15B-05	Mean Well	18-36V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	34.95	31.49	28.15	25.35
213285	SKE15B-12	Mean Well	18-36V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.49	28.15	25.35
213293	DKE15A-24	Mean Well	9-18V	+24V@313mA; -24V@313mA	15W	2x2x0.43	5	0.3	0.5	80	32.95	29.69	26.90	24.05

For more Mean Well Enclosed Converters visit www.Jameco.com

25 to 150-Watt Enclosed Converters



SD150

- Input filter: Pi-network
- 2:1 wide input range
- Shielded metal case
- 100% burn-in test
- Working temperature: -10˚C to +60˚C
- Protection: short circuit, overload and overvoltage
- One-year warranty

25-Watt SD-25 Series: Single Output

- Isolation voltage: 500VDC

50, 100 & 150-Watt SD-50, SD-100 & SD-150 Series: Single Output

- Isolation voltage: 1500VDC
- Mounting hardware: use P/Ns 222156 & 222173 (see web)

PERFORMANCE At Value Prices

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
175662	SD-25A-5	9-18V	+5V@5000mA	25.0W	3.9x3.8x1.4	5	0.5	0.5	100	$42.99	$32.54	$30.44	$26.24
175805	SD-25A-12	9-18V	+12V@2100mA	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175813	SD-25A-24	9-18V	+24V@1100mA	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	44.65	33.78	31.60	27.24
212549	SD-50A-5	9-18V	+5V@10A	50.0W	6.3x3.8x1.5	5	0.5	0.5	100	35.79	32.53	29.58	26.89
212531	SD-50B-12	19-36V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	54.55	49.09	39.27	28.05
212514	SD-50B-24	19-36V	+24V@2.1A	50.4W	6.3x3.8x1.5	5	0.2	0.2	150	38.29	34.46	27.57	26.55
212506	SD-50C-12	36-72V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	51.95	39.99	36.99	32.99
212469	SD-100C-12	36-72V	+12V@8.5A	102.0W	7.8x3.9x1.5	7	0.3	0.3	120	66.49	56.15	53.03	46.79
217270	SD-150B-12	19-36V	+12V@12.5A	150.0W	7.8x4.3x2.0	7	0.5	0.5	120	82.95	74.66	59.72	44.79

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

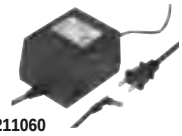
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

See page 173 for International Power Cords

We will change any power plug (pg 120) on any table-top power supply (100 pc. minimum) for a small additional charge.

AC-to-DC Regulated Linear & Unregulated Table-Top Power Supplies

Quantity SAVE


211060


689661


143714

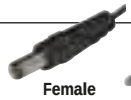

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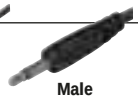

673651


220442

For more Table-Top Power Supplies visit www.Jameco.com

Polarity 1 ⊕—(—⊖ (center negative)


Female


Male


DIN M


Stripped

Polarity 2 ⊖—(—⊕ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	211060	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F **2**	No	Black	3.4 x 2.7 x 2.2	6'6"/6'	1.7	UL/CSA	$12.19	$10.97	$9.03	$6.58
	174845	ReliaPro ♻	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F **2**	No	Black	4.4 x 3.0 x 2.5	6'/6'	2.6	—	18.65	16.78	13.42	10.07
3-Wire AC Input – Regulated Linear																	
30-55	689661	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	$21.95	$19.90	$17.40	$13.05
	689653	Regal	RJM-551228	55	+5/0.9; -5/0.2; +12/0.62; -28/0.16	120@60	6-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	24.95	22.49	19.95	16.49
2-Wire AC Input – Unregulated																	
10-30 Watts	190051	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F **2**	No	Black	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	$9.95	$8.99	$7.19	$5.39
	354941	Terayon ✔	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F **2**	No	Black	3.2 x 2.3 x 1.9	6'/6'	1.4	UL/CUL	11.05	9.39	7.98	6.78
	136565	ReliaPro	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'/6'	1.2	—	15.35	13.82	11.05	8.29
	140880	ReliaPro	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	15.85	14.24	12.10	9.08
	143714	— ⊕	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	19.75	17.76	15.99	14.39
	143722	ReliaPro ⊕	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	18.19	14.55	12.73	11.99
	143731	— ⊕	DC1220M3	24	+12/2.0	120@60	3.5mm M **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	15.49	13.99	11.99	10.99
	139096	ReliaPro	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F **2**	No	Black	4.4 x 3.1 x 2.6	6'/6'	2.5	—	18.49	16.79	15.29	13.99
2-Wire AC Input – Regulated Switching																	
15-24 Watts	1586242	Phihong ♻	PSAA15W-050-R	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	3.2 x 2.0 x 1.2	6'/ [1]	—	UL/CULTUV/CE	$20.49	$18.72	$17.31	$15.90
	379612	Mean Well ⊕	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	25.45	22.81	20.92	15.69
	379613	Mean Well ♻	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	22.29	19.98	17.49	16.66
	1707067	Mean Well	ES25B07-P1J	22	+7.5/2.93	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/ [1]	0.4	UL/CUL/TUV/CE	14.95	13.45	11.95	9.95
	195806	Horizon ♻	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	32.45	29.19	26.31	23.66
	195768	Horizon ⊕	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.55
	391770	Mean Well ♻	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	24.78	22.74	19.70	19.55
	673651	Artesyn	SSL20C-7612	20	+12/1.67	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.6 x 2.4 x 1.1	3'3"/ [1]	0.4	UL/CSA/VDE	14.95	13.45	11.49	9.25
	1537555	APD	DA-24B12	24	+12/2.0	100-240@47-63	2.5mm x 5.5mm F **2**	No	Black	3.6 x 2.2 x 1.3	6'/ [1]	0.4	UL/CUL/TUV/CE	18.95	17.95	16.15	13.95
	1586251	Phihong ♻	PSAA15W-120-R	15	+12/1.25	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	3.2 x 2.0 x 1.2	6'/ [1]	—	UL/CUL/TUV/CE	20.49	18.72	17.31	15.90
	1707075	Mean Well	ES18B28-P1J	18	+28/0.64	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/ [1]	0.5	UL/CUL/TUV/CE	14.95	14.95	13.45	11.49
	196138	DVE	DSA-0283A	23	+5/1, +12/1.49 -5/0.43	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/ [1]	0.8	UL/CSA/TUV	19.95	18.95	15.48	11.62
25-50 Watts	379939	Mean Well ♻	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	23.39	20.94	18.33	17.46
	377942	Mean Well ♻	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	26.99	24.13	23.41	22.70
	1707104	Mean Well	ES25B48-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	3.2 x 2.1 x 1.3	6'/ [1]	0.4	UL/CUL/TUV/CE	14.95	13.45	11.95	9.95
	379972	Mean Well ♻	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	22.75	20.39	17.85	17.00
	221613	Mean Well ♻	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	28.79	25.92	23.29	21.08
	205911	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F **2**	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45
	220442	Horizon ♻	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F **2**†	Yes	Black	4.3 x 2.0 x 1.2	6'/ [1]	0.6	UL/CUL/TUV/CE	29.95	26.96	21.56	16.17
	1586306	Phihong ♻	PSC60W-120-R	50	+12/4.16	90-264@47-63	2.1mm x 5.5mmF **2**	Yes	Black	4.0 x 2.5 x 1.3	5'/ [1]	—	UL/CUL/TUV/CE	36.55	36.55	33.37	30.75
	1707139	Mean Well	ES25B48-P1J	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/ [1]	0.4	UL/CUL/TUV/CE	14.95	13.45	11.95	9.95

* See accessory table-top power cord chart below when AC cord needed; refer to [1] or [2] in "Cord (DC/AC)" column above for correct power cord † Right angle

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Regulated Table-Top Power Supplies on next page

Accessory Power Input Cords for Table-Top Power Supplies


189587


38050

Accessory Power Input Cords for Table-Top Power Supplies

For Additional Power Cords See Pages 172-173.

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
189587	1	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	$2.49	$2.05	$1.99	$1.89
38050	2	3-conductor power cord ♻	Black	18/3	UL/CSA	6'	0.4	SVT	4.15	3.75	3.43	3.09

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. ✔ This product has a RoHS equivalent, manufacturer may vary.

Color Code Legend: New Sale Lower$ QtySave

AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

We will change any power plug (pg 120) on any table-top power supply (100 pc. minimum) for a small additional charge.

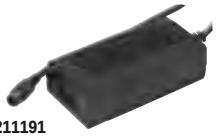
See page 173 for International Power Cords

For more Table-Top Power Supplies visit www.Jameco.com


309876


377896


206528


211191

Polarity 1 ⊕—●—⊖ (center negative)


Female


Male

Polarity 2 ⊖—●—⊕ (center positive)


DIN M

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching																	
5-20 Watt	221568	Mean Well	P40A-OP2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	$27.79	$25.04	$22.89	$22.32
	308700	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2†	No	Black	4.2 x 2.0 x 1.6	6'/ 2	0.4	UL/CUL/TUV/CE	14.99	12.75	9.55	6.69
	1918737	Magtech	SPU15A-102	12	+5/1.0	100-240@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.6 x 1.5 x 1.4	6'/ 2	0.4	UL/CUL/TUV/CE	14.95	13.45	11.85	8.49
	309876	Go Forward	G112-USO520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	9.59
	196218	GlobTek ⊕	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	695244	DVE	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	17.29	15.95	14.40	12.95
	377845	Mean Well	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	24.78	22.74	19.70	19.55
	379720	Mean Well	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	380471	Mean Well	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	213584	Mean Well	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	26.05	23.45	21.62	20.54
	1586269	Phihong	PSC30U-050-R	20	+5/5.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.6	UL/CUL/TUV/CE	27.25	24.78	23.27	22.37
	377862	Mean Well	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/ 2	0.6	UL/CSA/TUV/CE	24.78	22.74	19.70	19.55
	379736	Mean Well	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	228989	Phihong	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53
	376623	Mean Well	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	24.78	22.74	19.70	19.55
	1537432	Eng Electric	EPA-201D-12	20	+12/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.4 x 1.3	6'/ 2	0.2	UL/CUL/TUV/CE	16.95	15.25	13.49	11.49
	1707083	Mean Well	ES18A28-P1J	18	+28/0.64	100-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV//CB/CE	15.95	14.29	12.49	9.95
25-27 Watt	213576	Mean Well	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	32.95	29.66	23.72	21.03
	379779	Mean Well	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	22.75	20.39	17.85	17.00
	380534	Mean Well	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377896	Mean Well	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	26.99	24.85	23.66	22.47
	1707147	Mean Well	ES25A15-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.6 x 2.1 x 1.4	6'/ 2	0.4	UL/CUL/TUV/CE	14.95	13.45	11.95	9.95
	379824	Mean Well	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	22.75	20.39	17.85	17.00
	243012	Mean Well	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	26.15	24.05	22.91	21.75
	379883	Mean Well	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.39	20.94	18.33	17.46
	380577	Mean Well	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221681	Mean Well	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	31.25	28.13	25.30	22.76
	1707091	Mean Well	ES25A28-P1J	25	+28/0.89	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/ 2	0.4	UL/CUL/TUV/CE	14.95	13.45	12.78	12.14
	215088	Mean Well	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	24.29	23.26	22.10	20.99
	196270	Everglow	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	29.65	26.70	24.00	21.61
	190960	Mean Well	P25A13D-R1U	26	+5/2.5, +12/0.8 -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	39.99	36.02	32.38	29.18
	221720	Mean Well	P25A14E-R1BU	25	+5/2.5, ±15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	34.25	30.88	27.76	25.01
30-40 Watt	320081	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	31.15	28.87	25.97	23.40
	206528	Mean Well	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	33.05	29.75	26.44	24.23
	229009	Phihong	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	21.18
	1918690	First Vision	SA06H12-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.0 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	22.95	20.65	18.15	15.49
	401042	ReliaPro	EA10362	36	+12/3.0	120 240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/ 1	6.0	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	1586146	EDAC	EA10301	30	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.8 x 1.8 x 1.2	6'/ 2	0.7	UL/CUL/TUV/CE	18.95	17.10	15.39	13.75
	155214	Mean Well	P40A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	40.25	36.19	32.56	29.32
	297693	Mean Well	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355064	ReliaPro	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/ 2	0.6	UL/CUL/TUV/CE	34.69	27.75	24.29	23.04
	1586277	Phihong	PSC30U-120-R	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	5'/ 2	0.6	UL/CUL/TUV/CE	27.25	24.78	23.27	22.37
	229017	Phihong	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221576	Mean Well	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	37.45	33.62	30.25	27.23
	230481	Phihong	PSA31U-180✪	30	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	23.06	21.91
	229026	Phihong	PSC30U-240-R	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	27.19	24.70	22.72	21.58
	181885	Mean Well	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/TUV/CE	42.45	38.19	34.36	30.93
	297757	Mean Well	P40A-6P2MU	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	41.69	37.54	33.78	30.40
	221584	Mean Well	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	37.35	33.62	26.89	22.32
	211191	Westinghouse	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/ 2	1.1	UL/CSA/TUV	25.95	23.35	18.68	14.01

* See accessory table-top power cord chart on page 163 when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord † Right angle ✪ Blue Part No. = Limited Quantity Available
▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Regulated Table-Top Power Supplies continued on next page

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AC-to-DC Regulated Switching Table-Top Power Supplies

See page 173 for International Power Cords

We will change any power plug (pg 120) on any table-top power supply (100 pc. minimum) for a small additional charge.

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Quantity SAVE


211107


297722


1537125

Polarity 1 ⊕—C—⊖ (center negative)


Female


Male

Polarity 2 ⊖—C—⊕ (center positive)


DIN M

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
41-50 Watt	221488	Mean Well	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	$41.99	$39.90	$37.91	$36.01
	622547	Samsung	AD-4212L	42	+12/3.5	100-240@50/60	1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/ 2	0.6	UL/CUL/CE	21.95	19.75	15.80	11.85
	622555	Samsung	AD-4212L-2.1	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/ 2	0.6	UL/CUL/CE	24.95	22.45	17.96	13.47
	1537256	Ault	PW125RA2403F2	41	+24/1.7	100-250@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.9 x 2.6 x 1.7	6'/ 2	0.7	UL/CUL/TUV/CE	27.95	25.15	22.69	19.95
	221702	Mean Well	P50A13D-R1BU	50	+5/4.0, +12/2.0 -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	56.35	50.75	45.68	41.08
	211107	Fortron	FSA55P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/ 2	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
	237367	Mean Well	P50A14E-R1BU	42	+5/3.5; +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	42.49	38.25	37.25	36.26
60-80 Watt	155231	Mean Well	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	63.35	58.41	52.57	47.31
	297722	Mean Well	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	44.45	43.96
	1586314	Phihong	PSC60M-120-R	60	+12/5.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	5.1 x 2.4 x 1.3	4'/ 2	—	UL/CUL/TUV/CE	39.55	35.89	33.10	31.44
	376607	Mean Well	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	42.25	37.69	36.15	34.34
	379672	Mean Well	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	41.95	38.31	33.52	31.91
	391743	Mean Well	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	42.25	35.21	32.02	31.49
	221429	Mean Well	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	74.69	67.23	60.50	50.41
	243046	Mean Well	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	46.19	41.90	38.66	35.46
	221445	Mean Well	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	77.95	66.35	59.94	56.99
	161606	Mean Well	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.6	1'9"/6'	1.3	UL/CSA/TUV	49.45	43.95	41.95	37.95
	297634	Mean Well	SPU50-6P2MU	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	59.35	50.94	47.45	43.96
	1537125	EDAC	EA1050B-240	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	34.95	31.45	28.30	25.45
	355056	ReliaPro	JR-TT-66-24	66	+24/2.75	90-264@50-60	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/ 2	1.2	UL/CUL/TUV/CE	45.45	43.16	41.00	38.94
	1708342	Potrans	BUP07211240	72	+24/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	5.3 x 2.3 x 1.4	6'/ 2	1.0	TUV/CE	39.95	35.95	31.29	26.95
	221453	Mean Well	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x1.8	6'/6'	2.0	UL/CUL/TUV/CE	65.59	55.84	50.44	47.96
	1586322	Phihong	PSC60M-240-R	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	5.1 x 2.4 x 1.3	4'/ 2	—	UL/CUL/TUV/CE	39.55	35.89	33.10	31.44
	376615	Mean Well	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	49.95	41.79	37.99	36.10
	172065	Mean Well	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	53.95	48.59	43.74	42.37
	221462	Mean Well	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	70.15	59.71	53.95	51.29

* See accessory table-top power cord chart on page 163 when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord
▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

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Energy Star/European Compliant Interchangeable-Plug Wall Adapters

Meets US and European Energy Star compliance.
Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Power-On LED
- Double insulated
- Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Regulated output
- Class B EMI
- Energy Star and ECOC compliant


Shown with plug clip not included


Shown with plug clip included

Wall Adapters (plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking

Part No.	Product No.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing 1	5	25	100
1586218	PSAA05A-050-R	5	5	1.0	100	±5%	±5%	—	2.6 x 1.6 x 1.1	$7.89	$7.11	$6.89	$6.52
1586226	PSA15R-050-R	15	5	3.0	50	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	17.35	15.90	14.88	14.30
1586234	PSA15R-120-R	15	12	1.25	120	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	17.35	15.90	14.88	14.30
662881	PSM11R-120	10	12	0.84	120	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	16.65	15.80	15.02	14.27
662910	PSA15R-120P	15	12	1.25	120	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89

Plug Clip Kit (sold separately, required for above adapters)

Part No.	Product No.	Description	1	10	50	100
229181	RPKIT	Kit w/ RPA/RPE/RPK/RPS	$2.79	$2.53	$2.45	$2.42



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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

We will change any power plug (pg 120) on any table-top power supply (100 pc. minimum) for a small additional charge.

Velleman 13W Compact Switching Power Supply



- Input voltage: 110-240VAC @ 50/60Hz
- Selectable outputs: 3VDC, 4.5VDC, 5VDC, 6VDC, 6.5VDC, 7VDC
- Power LED indicator
- Output current: 1.9A (2.5A maximum)
- Output connectors: 2.5mm x 5.5mm right angle, 2.1mm x 5.5mm right angle, 1mm x 5mm, 1.1mm x 3.8mm, 1.4mm x 3.5mm, & 0.75mm x 2.4mm

Part No.	Product No.	Size (H x W x D)	Price
1537539	PSSM10VU	3.2" x 1.2" x 2.2"	$32.95

Velleman 24-Watt Switching Power Supply



- Input voltage: 100-240VAC @ 50-60Hz
- Low electromagnetic interference
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China
- Output current: 2A
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm

Part No.	Product No.	Size (H x W x D)	Price
1537491	PSSMV3	4.7" x 3.3" x 2.5"	$39.95

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies



- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5% • 3-wire AC input
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6';AC: use P/N 115078, pg 172
- Ripple and noise:1% or 100mV, whichever is smaller
- UL/CUL/TUV/CE approved for medical applications
- Size: 2.9"L x 2.0"W x 1.6"H

For more GlobTek Power Supplies visit www.Jameco.com

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing 1	10	50	100
230683	TR9CE1250CP	15.6	+12/1.3	$34.29	$30.85	$27.77	$24.96
230691	TR9CG1200CP ⊕	18.0	+15/1.2	39.55	35.38	28.48	26.61
230763	TR9CE4000LCP	49.2	+12/4.0	56.15	50.51	45.46	40.91
230798	TR9CI2100LCP	50.4	+24/2.1	52.95	47.66	45.95	42.99

Velleman Switching Table-Top Power Supplies

For more Velleman Table-Top Power Supplies visit www.Jameco.com

- Short circuit, overload protection
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- LED power indicator

Includes: Power cord



1537504

1537504: 28 Watt
- Output voltage: 5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC, 15VDC
- Output current: 3.6A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.7mm x 4mm, 1.5mm x 5.5mm



1537521

1537521: 38 Watt
- Output voltage: 5VDC to 24VDC in 1V increments
- Output current: 1.5A to 4A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5mm



1537512

1537512: 70 Watt
- Output voltage: 15VDC/16VDC/18VDC/19VDC/20VDC @ 3.5A; 22VDC/24VDC @ 2.9A
- Output connectors: 2.1mm x 5.5mm right angle, 2.5mm x 5.5mm right angle, 1.64mm x 4.78mm, 2.99mm x 6.28mm, 6.5mm x 14mm

Part No.	Product No.	Size (L x W x H)	Price
1537504	PSSM4VU	3.8" x 2.2" x 1.2"	$55.95
1537521	PSSM6VU	3.5" x 1.8" x 1.2"	49.95
1537512	PSSMV7U	5.5" x 3.2" x 1.7"	95.95

PHIHONG Universal 60-Watt Table-Top Power Supply

RoHS and CEC Compliant

For more Phihong Table-Top Power Supplies visit www.Jameco.com



- Input voltage: 90-264VAC @ 40-50Hz (2-wire input)
- Short circuit, overcurrent, overvoltage protection
- Input power saving: 0.75W maximum for 240VAC @ no load • Efficiency: 80% typical
- Output voltage: 24VDC @ 2.5A
- 2.1mm x 5.5mm female center positive
- UL/CUL/TUV/CE approved

Part No.	Product No.	Size (L x W x H)	1	10	50
229843	PSC60W-240-R	5.1" x 2.4" x 1.3"	$36.49	$32.85	$29.55

JAMECO ReliaPro "Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Output cord length: 6'
- Color: black
- Input voltage: 100 – 240VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- One-year warranty

Jameco EXCLUSIVE

We'll Brand the Adapters With Your Company Name
Call 1-800-831-4242 for Details





For more ReliaPro Regulated Switching Wall Adapters visit www.Jameco.com

Part Number	Cross Ref. Number	Output Rating Volt (VDC)	Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	10	50	100
251564	S08AA033150	3.3	1500	2.5x1.1x1.7	0.2	$12.05	$10.93	$10.09	$9.74
251599	S15AA033250	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22
252701	S08AB050050	5.0	500	2.5x1.1x1.7	0.2	13.85	12.57	11.61	11.21
252719	S08AB050100	5.0	1000	2.5x1.1x1.7	0.2	12.45	11.26	10.39	10.03
252727	S08AB050150	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21
252735	S15AB050250	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252752	S08AD090050	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
252770	S08AD090090	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252778	S15AD090120	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252786	S15AS090170	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11

Part Number	Cross Ref. Number	Output Rating Volt (VDC)	Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	10	50	100
252794	S08AE120025	12.0	250	2.5x1.1x1.7	0.2	$11.55	$10.47	$9.67	$9.33
252807	S08AE120050	12.0	500	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252815	S08AE120070	12.0	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252823	S15AE120100	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252832	S15AE120140	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
254757	S15AF150080	15.0	800	2.9x1.3x2.2	0.2	13.45	12.20	11.23	10.84
252903	S15AF150120	15.0	1000	2.9x1.3x2.2	0.3	15.95	14.49	13.37	12.90
252857	S08AH240025 ⊕	24.0	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252866	S15AH240050	24.0	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252874	S15AH240063	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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AC-to-DC Regulated Switching Wall Adapters

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319881

Polarity 1 ⊕—●—⊖ (center negative)  Female Polarity 2 ⊖—●—⊕ (center positive)


689864

Part Number	Brand▲	Product Number▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
230544	Phihong ✪	PSA05A-050	5	1000	2.1mm x 5.5mm F **2**	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	$16.29	$14.80	$13.76	$12.45
210894	ReliaPro	S15AB050200	5	2000	2.5mm x 5.5mm F **2**	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
319881	Mean Well	ES18U05-PIJ	5	3000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.65	12.60	11.79	10.98
379622	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.65	13.59	12.91	12.27
380323	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
1707121	Mean Well	SW12U07-P1I	7.5	1500	2.1mm x 5.5mm F **2**	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	11.95	10.75	9.49	7.95
380008	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.83	13.77	12.70
228947	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	19.69	17.72	15.94	14.35
319899	Mean Well	ES18U09-PIJ	9	2000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.05	12.03	11.26	10.48
380139	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.83	13.77	12.70
380350	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
1918817	Mean Well	SW12U12-P1I	12	1000	2.1mm x 5.5mm F **2**	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.4	UL/CUL	13.49	12.15	11.29	10.49
312865	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F **2**	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	14.99	13.85	12.96	12.07
380155	Mean Well	ES25U12-P1J	12	2080	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.09	14.03	13.32	12.67
380358	Mean Well	ES25U12-P1M	12	2080	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.79	15.39	14.94	14.23
1707112	Mean Well	SW12U15-P1I	15	800	2.1mm x 5.5mm F **2**	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	9.95
319920	Mean Well	ES18U15-PIJ	15	1200	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.05	12.03	11.26	9.81
380172	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.75	14.03	13.33	12.66
380190	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.83	13.77	12.71
319928	Mean Well	ES18U24-PIJ	24	750	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.25	12.25	11.46	9.98
380201	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.85	14.31	13.57	12.70
380391	Mean Well	ES25U24-P1M	24	1040	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	17.09	16.55	16.02	15.47
380219	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.15	14.08	13.37	12.71
380235	Mean Well	ES25U36-P1J	36	690	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.65	13.59	12.91	12.66
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	17.09	16.55	16.02	15.47
380243	Mean Well	ES25U48-P1J	48	520	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.65	13.59	12.91	12.27
380446	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	17.09	16.55	16.02	15.47
Other Manufacturers — Great Deals															
1809805	Globtek	WR9HA1000C9P-F(R)	5	1000	2.1mm x 5.5mm F **2**	100-240@50-60	2.1 x 1.2 x 1.6	Black	6'	0.2	UL/CUL/CE	$12.95	$10.95	$9.95	$8.95
189190	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F **1**	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	10.95	9.85	8.59	6.75
689864	DVE	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F **2**	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	11.95	10.75	9.49	7.95
1918702	Globtek†	GT-1441052-1506	6	2500	2.5mm x 5.5mm right angle F **2**	100-240@50-60	2.9 x 1.7 x 1.5	Black	6'	0.5	UL/CUL/CE	15.95	12.49	10.95	10.49

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek ✪ Blue Part No. = Limited Quantity Available † Interchangeable plugs

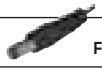
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We will change any power plug (pg 120) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• One-year warranty

Polarity 1 ⊕—●—⊖ (center negative)  Female Polarity 2 ⊖—●—⊕ (center positive)


681571

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
164101	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F **2**	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	CSA	$10.95	$9.86	$8.87	$7.98
220935	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F **1**	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	14.75	13.27	10.62	7.97
168605	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F **2**	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	13.39	12.35	11.36	9.76
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F **2**	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.19	8.27	7.18	5.37
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F **1**	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	12.45	10.50	9.86	9.29
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	13.15	11.83	10.64	9.58
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	19.95	17.95	16.15	13.45
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	16.45	14.84	13.42	12.13
174879	ReliaPro	RFU240050	24	500	2.5mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.05	12.70	11.40	10.29
Other Manufacturers — Great Deals															
289182	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	$11.05	$9.95	$7.95	$5.95
319986	—	DV-580R	5	800	2.5mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	6.95	6.25	5.25	3.95
297941	—	JOD-480-08	5	1000	2.5mm x 5.5mm F **2**	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	13.19	11.87	9.50	7.13
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F **2**	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	13.15	12.89	9.99	7.52
283573	—	DC600500	6	500	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.05	6.21	5.49
190529	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F **2**	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.21

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AC-to-DC Unregulated Linear Wall Adapters

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We will change any power plug (pg 120) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

- Input: 120VAC @ 60Hz
- One-year warranty



Polarity 1 ⊕—●—⊖ (center negative)


Female


Male


Stripped

Polarity 2 ⊖—●—⊕ (center positive)

c UL SP UL

280250

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
112070	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F **2**	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	$8.29	$7.47	$6.72	$6.05
155601	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	6.25	5.61	5.04	4.20
119255	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F **1**	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	5.95	5.36	4.82	4.14
101266	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.85	4.58	4.21	3.88
15544	ReliaPro	DBU060050	6	500	3.5mm M **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	5.49	4.97	3.97	2.98
147707	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.99	5.49	4.79	4.25
220943	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	10.29	9.28	7.42	5.57
220951	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.84	6.26	5.65	5.15
280250	ReliaPro	DDUO75110	7.5	1100	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.39	8.04	7.19	5.49
127511	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F **2**	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	6.30	4.73
100845	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F **2**	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	4.37	4.07	3.70
134025	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F **1**	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	6.65	5.99	4.79	3.59
100837	ReliaPro	DBU090020	9	200	3.5mm M **2**	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	5.25	5.19	4.74	4.29
133891	ReliaPro	DBU090030	9	300	2.1mm x 5.5mm F **2**	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.45	4.37	4.07	3.70
189238	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.35	4.52	3.71	2.96
318676	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.65	5.46	4.97	4.51
202155	ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	4.95	4.40	3.95	3.56
140636	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F **2**	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	5.49	4.49	3.99	3.68
202171	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	5.19	5.07	4.85	4.67
163628	ReliaPro ♻	DCU090050	9	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	7.09	6.38	5.75	5.10
100853	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.19	5.14	5.09	4.67
147731	ReliaPro ⊕	AD-11950	9	500	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	5.45	5.25	4.74	4.26
236937	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F **2**	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.25	5.99	5.87	3.79
15561	ReliaPro	DCU090050	9	500	3.5mm M **2**	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.45	5.78	5.20	4.68
202180	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.19	5.07	4.90	4.67
100175	ReliaPro	DCU090060	9	600	2.5mm x 5.5mm F **2**	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.09	5.80	5.23	4.75
202198	ReliaPro	DCU09080	9	800	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	9.59	8.82	8.41	7.99
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	10.49	9.45	8.33	7.11
127504	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.49	8.53	7.68	6.38
15587	ReliaPro	DDU090100	9	1000	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.35	8.43	6.74	5.06
130526	ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F **1**	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.29	6.59
143693	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F **2**	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.99	9.49	8.49	6.99
163993	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F **1**	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.80	4.33
100095	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F **2**	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	5.19	4.70	3.75	2.80
158043	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.85	4.54	3.81	3.28
220433	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.95	4.46	3.57	2.68
185658	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	3.81	2.86
219601	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.79	4.30	3.43	2.72
318692	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976	ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.99	5.66	5.04	4.64
249236	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	6.45	5.79	4.64	3.48
190503	ReliaPro ♻	ADA-410	12	400	2.1mm x 5.5mm right angle F **2**	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	10.35	9.32	7.46	5.63
114825	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.29	4.99	4.37	4.10
15368	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	8.29	7.47	6.72	6.04
102496	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.49	6.15	5.41	4.92
131300	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F **2**	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	7.25	6.53	5.65	4.95
102277	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.19	6.47	5.83	5.24
17267	ReliaPro	DCU120050	12	500	3.5mm M **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.05	5.80	5.23	4.75
202201	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.39	6.92	6.09	5.69
202219	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.84	6.17	4.94	3.70
121232	ReliaPro	DDU120080	12	800	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	7.29	6.56	5.25	4.93
117479	ReliaPro	DDU120080	12	800	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.99	7.36	6.77	6.23
129331	ReliaPro	DDU120080	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.38	6.65	5.98	5.38
100870	ReliaPro	DDU120100	12	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	10.79	9.71	8.74	7.86
105478	ReliaPro	DDU120100	12	1000	2.5mm x 5.5mm F **2**	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392	ReliaPro	DDU120100	12	1000	3.5mm M **2**	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
196779	ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036	ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F **1**	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.39	12.95	10.39	7.77
313226	ReliaPro	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.99	13.49	11.99	10.99
101291	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	13.85	12.89	11.72	10.65
249738	ReliaPro ⊕	MW57-1202000	12	2000	Stripped & tinted	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 167 & 169

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

AC-to-DC Unregulated Linear Wall Adapters

JAMECO ReliaPro — EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 120) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

Quantity SAVE

• Input: 120VAC @ 60Hz • One-year warranty

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Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Curr. (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
308099	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	$9.89	$9.00	$8.17	$7.44
212821	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	5.45	4.90	3.91	3.15
123932	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.89	6.19
202243	ReliaPro	DDU140070	14	700	2.5mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	12.89	11.62	9.28	6.96
202260	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	10.95	9.56	8.60	6.45
190001	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.99	7.27	5.83	4.38
189982	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.99	7.27	5.83	4.38
155803	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
203502	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	9.59	8.59	6.36
151992	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F **1**	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	11.09	9.99	8.99	8.09
162317	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	10.49	9.18	8.24	7.38
181729	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F **2**	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	5.65	5.09	4.42	3.75
206958	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285	ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F **1**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	14.99	13.80	11.35	9.79
191556	ReliaPro	DDU240050	24	500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.79	9.28	9.10	8.93
139088	ReliaPro	DDU240050	24	500	3.5mm M **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.99	8.49	7.75	6.49
168495	ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F **2**	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.89	11.60	10.44	9.40
220960	ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130	ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121	ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	21.59	21.10	17.71	16.90
249113	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523	ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	11.75	10.55	8.44	6.33
215095	ReliaPro ⊕	MW48-4800250	48	250	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.49	6.79	6.05
215109	ReliaPro ♻	MW57-4800500	48	500	2.5mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.85	8.85	7.95
230640	ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	—	11.95	10.76	8.60	6.45
15309	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
123158	ReliaPro †	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	7.98
Other Manufacturers — Great Deals														
320303	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F **2**	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	$9.49	$8.55	$6.85	$5.15
219651	—	FE4823-050E120	5	1200	2.5mm x 5.5mm F **2**	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.47	3.71	2.78
302439	—	AD-0630M	6	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.95	4.45	3.56	2.66
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F **2**	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	3.50
1581337	KTEC	KA12D0751120045U	7.5	1200	2.1mm x 5.5mm F **2**	3.0 x 2.2 x 1.7	Black	6	0.9	UL/CUL	6.49	5.85	4.69	3.50
355936	—	35-9-200C	9	200	1.3mm x 3.5mm F **2**	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.55	3.97	3.32	2.49
400899	WABI	LF09250D-08	9	250	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	2.59	2.25	2.05	1.54
1585995	Motorola	SPN4622A	9	300	2.1mm x 5.5mm F **2**	2.3 x 1.8 x 1.5	Black	6'	.40	UL	3.95	3.59	3.29	2.95
1586162	CUI Stack	DPD090050	9	500	3.5mm M **2**	2.3 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.39	3.85	3.19
1810081	CUI Stack	DV-9500	9	500	2.1mm x 5.5mm F **2**	2.4 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.39	3.85	3.19
170270	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F **1**	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
164929	—	DDU090100	9	900	2.1mm x 5.5mm F **1**	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	10.99	9.55	8.39	6.79
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F **2**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.16	5.72	4.29
421690	—	SA48-29A	9	1000	2.1mm x 5.5mm F **2**	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	5.49	4.95	3.95	2.75
1586082	GTE	ADP2108GT	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	7.95	7.15	5.75	4.85
457799	Condor	DSA-0151F-09	9	2000	2.1mm x 5.5mm F **1**	3.2 x 2.1 x 1.7	Black	6'	0.5	UL/CUL	12.75	11.83	11.24	10.68
684836	Southwest Bell	KEC-41-100-5	10	500	2.1mm x 5.5mm F **2**	2.4 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.62
1537441	CUI Stack	KA12D1200450344	12	450	2.1mm x 5.5mm F **2**	2.5 x 1.8 x 1.5	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695252	—	L4D-120050R	12	500	1.3mm x 3.5mm F **2**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695261	—	L4D-120050R-2.5	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695279	—	L4D-120050R-3.5	12	500	3.5mm x 5.5mm F **2**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
305103	—	AD1250-5LE	12	500	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.19	4.71	3.72	2.79
240101	Broadxent	AD-121AN	12	1000	2.1mm x 5.5mm F **2**	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.49	6.75	5.95	4.95
189579	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F **2**	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
1585987	Globtek	GT-357-12-1500	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.6 x 2.1	Black	6'	1.5	UL/CUL	10.95	9.85	8.59	7.25
129314	—	DV-1250	14	360	2.5mm x 5.5mm right angle F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.49	3.95	3.49	2.62
681563	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	8.95	7.95	6.95	5.90
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F **2** w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.99	5.39	4.31	3.23
206957	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F **2**	3.4 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
196322	3Com	P48240600A020G	24	600	2.1mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.1	UL/CSA	9.69	8.72	6.98	5.24

† 120 to 220VAC ▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 120) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

Quantity SAVE

JAMECO ReliaPro

- Input: 120VAC @ 60Hz
- One-year warranty

A Jameco EXCLUSIVE

Screw Terminals | Female | Male | Stripped


236814


185439


206439

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	$6.19	$5.61	$4.47	$4.02
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm **F**	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	6.39	5.75	4.89	3.99
236814	ReliaPro	ACU090080	9	800	3.5mm **M**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	6.55	5.88	5.30	4.77
102234	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm **F**	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
157041	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm **F**	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	9.19	8.27	7.44	6.70
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	13.75	12.71	10.87	9.40
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	6.05	5.93	5.44
10081	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm **F**	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	6.89	6.52	6.52	5.48
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm **F**	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.15	6.43	5.14	3.85
10428	ReliaPro	ACU120100	12	1000	3.5mm **M**	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	6.09	5.51	4.98	4.48
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	7.59	6.87	6.10	5.13
307838	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm **F**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	14.45	13.29	10.87	9.35
153761	ReliaPro	ADU120160	12	1600	3.5mm **M**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	14.45	13.01	11.72	10.54
318684	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	14.35	10.80	9.64	8.22
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.49	9.46	7.56	5.68
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm **F**	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.87	7.10	5.33
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm **F**	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	6.89	6.52	6.25	5.48
140599	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm **F**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	11.85	10.50	8.43	6.35
10102	ReliaPro	ADU240100	24	1000	3.5mm **M**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.49	9.47	8.51	7.14
176356	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	13.85	12.88	10.53	8.31
					Other Manufacturers — Great Deals									
210729	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm **F**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	$3.95	$3.49	$2.95	$2.21
249295	Pacrim	41A-9-700	9	700	2.5mm x 5.5mm **F**	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	4.39	3.95	3.56	2.67
233294	Horizon ♻	ACU090080	9	800	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.65	5.29	4.59	3.99
355531	—	MW41-0901000A	9	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
1581281	—	AA-091A	9	1000	2.1mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.49	4.65
1586154	—	A9-1A	9	1000	2.5mm x 5.5mm **F**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.29
320258	Ault	T48091500A010G	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	12.89	11.59	9.28	6.96
217550	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	5.95	5.36	4.28	3.21
688634	—	PP-1012-A	10	1200	2.5mm x 5.5mm **F**	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	5.49	4.95	4.25	3.59
1707155	Multi-Link	AA-1250G	12	500	2.1mm x 5.5mm **F**	2.2 x 2.1x 1.6	Black	6'	0.6	UL	4.49	4.49	4.05	3.59
285069	Shogyo	DV-1283	12	830	2.5mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	6.39	5.09	4.47	4.24
309884	—	AA-121A	12	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	5.39	4.84	3.87	2.90
206404	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.55	6.82	6.19	5.34
421585	JBL Inc	A12-1A-01	14	850	2.5mm x 5.5mm **F**	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.55	5.00	4.00	3.00
185439	Ault	T5182200-A020G*	18	1850	2.1mm x 5.5mm right angle **F**	3.3 x 2.7 x 2.2	Black	6'	1.7	None	11.05	9.90	7.92	6.10
206439	MG Electronics	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.55	6.82	6.19	5.34

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek *3-Prong

36-Watt AC-to-AC Table-Top Power Supply

Quantity SAVE

- Input voltage: 120VAC @ 60Hz
- Output voltage: 12VAC @ 3A
- Input connector: 6' long/2-prong AC plug
- Output connector: 6' long/2.1mm x 5.5mm female



Part No.	Product No.	Size (L x W x H)	Listing	1	10	50
455611	D571203000	3.6" x 2.6" x 2.3"	UL/CUL	$11.95	$10.16	$7.62

International Step-Up & Step-Down Transformers

- Wide selection to meet your power requirements

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions H"	W"	D"	Wt. (lbs.)	Pricing 1	10	100
99573	AC110V50	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	$11.19	$9.33	$8.79
85016	AC110V300	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	33.55	29.88	23.10
111851	AC110V500	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	50.29	45.35	43.71
142906	AC110V1500 ⊕	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	99.99	89.99	79.99
99477	AC220V50	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
85008	AC220V300	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	33.55	29.88	26.88
221217	P8689 ⊕	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	91.75	87.45	81.92
221331	G1S-500 ♻	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	102.85	87.42	65.56

* Manufacturer may vary


Fig. 1



Fig. 2


Fig. A Plug


Fig. B Plug


Output Receptacle

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

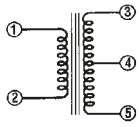
115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

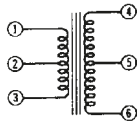
- Primary: 115VAC or 115/230VAC, 50-60Hz



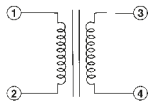
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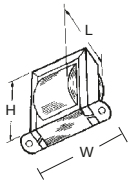
115VAC 50-60Hz Fig.1



115/230VAC 50-60Hz Fig. 2



115VAC 50-60Hz Fig. 3



Part No.	Cross Ref. No.	Triad Cross#	Primary Color Code			VA	Secondary Voltage	Secondary Color Code			Lead Type	Fig.	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
102162	XFR6102 ⊕	F314X✪	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.84	2.40	1.67	0.8	$9.45	$8.01	$6.01
105524	XFR0910	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	8.35	7.10	5.32
221400	P-8657	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	3	1.89	2.75	1.99	1.3	9.15	8.49	7.15
29226	XFR122	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.41	2.79	1.99	1.5	13.29	11.99	10.66
102155	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	13.15	11.27	8.39
149771	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	3.20	2.25	2.2	16.09	14.52	13.03
102121	XFR124	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.21	2.26	2.7	17.55	15.84	14.22
105532	XFR1810	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.20	2.81	1.99	1.2	9.19	8.28	7.03
149957	XFR1820	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.25	3.15	2.71	1.8	9.59	8.49	7.45
221382	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.80	1.97	0.6	8.25	7.00	5.25
102112	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.41	2.80	1.99	1.5	10.75	9.14	6.86
221373	P-8662	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.44	3.60	2.23	2.3	12.45	10.58	7.94
112513	XFR242N	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	3	2.33	3.16	2.28	1.8	13.95	12.60	11.32
221365	P-8663†	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	1	2.81	2.94	4.00	4.0	20.95	19.72	16.52
221410	P-8666† ⊕	F226U✪	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	1	4.63	3.75	4.63	11.2	59.55	53.95	44.95
221411	P-8666†	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	1	4.63	3.75	4.63	11.2	42.29	38.68	35.06
99654	XFR242	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	3.22	2.30	2.5	14.55	12.37	9.28
102104	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	3.22	2.26	2.8	17.59	15.82	14.24
149796	XFR2820 ⊕	F3185U✪	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	3.22	2.26	2.3	13.95	12.85	9.64

† Solder terminals * Center tap # Triad cross is for reference only ✪ Blue Part No. = Limited Quantity Available

Split-Bobbin Power Transformers

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



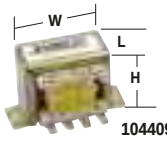
148559

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
221292	DSW-312 ⊕	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	$6.29	$5.35	$4.02
102534	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	9.55	8.60	7.73
102593	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	7.79	5.23	4.75
148559	XFR3603SB ⊕	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	7.99	6.99	6.49

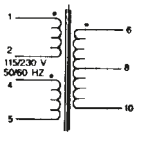
* Triad cross is for reference only

Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz • Terminals: quick-connect, solder



104409



Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
104409	XFR1635Q	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	$17.79	$15.15	$12.12
101865	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	14.99	12.59	10.99
104417	XFR3615Q	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	11.69	10.50	7.88

† Terminal solder lug are on same side * Triad cross is for reference only

110/220VAC Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch



121276

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121276	500VA trans.	$95.94	$83.94	$75.54
129008	1000VA trans.	189.69	161.24	120.93
152582	2000VA trans.	209.89	178.42	134.08

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 and 109112 (disconnect .25" solderless terminals), pg 119
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H • Panel mount
- Weight: 2.5 lbs. • One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149324	320VA variable	$54.99	$49.99	$44.99

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More Transformers available on our website. Visit us online today!

550VA Variable AC Transformer

- Input volt.: 110VAC @ 60Hz
- Output volt.: 0-140VAC • Panel mount
- Rated current: 5A • One-year warranty
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H • Weight: 6.8 lbs.



Part No.	Description	1	10	50
152937	550VA variable	$71.99	$67.99	$64.99

120VAC to 120VAC Isolation Transformer

300VA



- Input connector: 5.5' cord with 2-prong plug • Input voltage:120VAC @ 60Hz
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.

Part No.	Cross Ref. No.	1	10	100
181315	ITR300 ⊕	$52.89	$46.11	$41.50

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218174	.64" x .20" x 1.15"	$.99	$.89	$.79
217841	.78" x .34" x 1.40" ⊕	1.45	1.29	1.15
318705	.82" x .45" x 1.42" ⊕	1.18	.99	.77

Square

Quantity SAVE

Part No.	Size (L" x W" x H")	1	10	100
421681	1.30 x .70 x .77 (black)	$1.85	$1.57	$1.18

Current Sensing Transformer



- Inductance: 5mH • Turns: 60
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω
- Max. current: 300mA • Size: 0.7"W x 0.46"D x 0.8"H

Part No.	Cross Ref. No.	1	10	100
164718	MTC30101 ⊕	$2.15	$1.83	$1.37


Configuration "8" Laptop Power Cord (Fig. 1)


Configuration "D" Laptop Power Cord (Fig. 2)


Line Cord (Fig. 3)


Right Angle Computer Power Cord (Fig. 4)


Power Cord w/ Pigtail (Fig. 5)


RFI Power Cord (Fig. 6)


Power Supply Extension Cord (Fig. 7)


Hospital Grade Cord (Fig. 8)


Monitor Power Adapter Cord (Fig. 9)


Power Strip Saver (Fig. 10)


Power Strip Saver II (Fig. 11)


"Y" Twin End Power Cord (Fig. 12)


Detachable Power Cord Shielded PVC (Fig. 13)

More Power Cords available on our website. Visit us online today at ***www.Jameco.com***

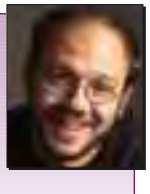
General Purpose Power Cords

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing 1	10	50	100
2-conductor "8" style power cord for laptops and power supplies											
189587	VW-1	.30	1	6'	Black	18/2	SPT-2	$2.49	$2.05	$1.99	$1.89
2-conductor "D" style power cord for laptops and power supplies											
200791	LL114039	.30	2	6'	Black	18/2	SPT-2	$2.39	$2.15	$1.72	$1.29
3-conductor power supply cord (shielded)											
1918711	LL43774	.40	4	6'	Black	18/3	SVT	$3.59	$3.25	$2.95	$2.49
1537459	LL6415	.40	6	9'10"	Beige	18/3	SJT	3.95	3.39	3.09	2.79
3-conductor power cord with pigtail											
1585522	—	.56	5	6'	Black	14/3	SJT	$3.95	$3.59	$3.19	$2.85
279662	32V86S	.32	5	6'	Black	18/3	SVT	3.59	3.14	2.85	2.79
1585514	CPB-FL-08	.56	5	8'	Black	18/3	SJT	3.49	3.15	2.85	2.49
3-conductor power supply cord											
1585637	171096	.60	6	8'	Black	18/3	SVT	$3.49	$3.15	$2.75	$2.29
1537230	LL34877	.72	6	8'	Black	16/3	SJT	4.55	4.09	3.69	3.35
3-conductor computer power supply extension cord											
420224	10W1-02212	.53	7	12'	Black	18/3	SVT	$3.89	$3.02	$2.87	$2.73
3-conductor power cord w/hospital grade male (green dot)											
1537563	17510A	.82	5	10'	Gray	14/3	SJT	$9.95	$8.95	$7.95	$6.95

Why Fight The Power?



Nothing is worse than missing a power cord when you're doing field work! No one cares why; they just don't understand. Take five minutes to protect yourself from getting into this situation! Be prepared. Stock your field kit with the plug and receptacle combinations you might need. Your den mother will be proud!

Practical Practices
Money Saving Tips for the Engineer

Jameco ValuePro™ Power Cords

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing 1	10	50	100
2-conductor power cord with pigtail											
124434	ST008	.16	3	6'	Black	18/2	SPT-2	$1.43	$1.35	$1.28	$1.22
3-conductor right-angle power supply cord											
117356	8120-6177 ⊕	.41	4	6'	Gray	18/3	SVT	$3.95	$3.56	$2.84	$2.13
38077	17250R	.54	4	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55
3-conductor power cord with pigtail											
38009	17237	.31	5	6'	Gray	18/3	SVT	$2.89	$2.58	$2.07	$1.55
37997	17236	.30	5	6'	Black	18/3	SVT	3.35	2.79	2.54	2.39
159410	17405B	.37	5	6'	Black	18/3	SJT	3.11	2.58	2.34	2.15
102007	17535B †	.49	5	10'	Black	18/3	SVT	4.15	3.85	3.33	3.17
196286	LL40378	.80	5	10'	Black	16/3	SJT	5.89	5.39	4.85	4.33
100272	17629B	.88	5	9'	Black	14/3	SJT	5.89	5.30	4.91	4.66
3-conductor power supply cord (shielded)											
213874	17660BG	.40	6	6'	Beige	18/3	SVT	$3.59	$3.25	$2.95	$2.65
3-conductor power supply cord											
103747	17248 ⊕	.34	6	6'	Gray	18/3	SVT	$4.65	$4.17	$3.54	$2.66
38041	17249	.37	6	6'	Beige	18/3	SVT	3.35	2.83	2.74	2.64
38050	17250	.36	6	6'	Black	18/3	SVT	4.15	3.75	3.43	3.09
132118	17500	.44	6	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29
117584	17502	.37	6	8'	Gray	18/3	SVT	7.05	6.32	5.05	3.79
171096	17758	.60	6	8'	Black	18/3	SJT	4.95	4.49	4.09	3.69
102024	17501V	.55	6	10'	Black	18/3	SVT	4.74	4.07	3.71	3.35
163361	6952299 ⊕	.33	6	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91
3-conductor computer power supply extension cord											
28468	PEC	.36	7	6'	Black	18/3	SVT	$3.89	$3.50	$3.15	$2.85
3-conductor power cord w/ hospital grade male (green dot)											
132011	17006G	.82	8	10'	Gray	16/3	SJT	$9.95	$8.96	$8.05	$7.25
115078	17006	.84	8	10'	Black	16/3	SJT	9.95	8.98	8.05	7.27
3-conductor computer monitor power adapter cord											
177448	MPC1	.16	9	1'	Black	18/3	SVT	$3.55	$3.20	$2.55	$1.91
3-conductor power cord (power strip saver)											
199778	PSS-1	.16	10	1'	Black	18/3	SVT	$2.05	$1.86	$1.67	$1.50
3-conductor power cord ("Y" type power strip saver)											
208347	GPR-2006	.38	11	2'	Black	18/3	SVT	$5.95	$5.63	$5.42	$5.15

***Thermoplastic Cord Jacket Type:** **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service*

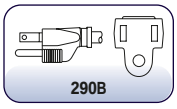
† *European standard insulation color code*

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Jameco ValuePro™ Power Cords (Continued)

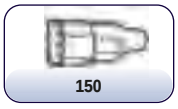
For More ValuePro Power Cords visit www.Jameco.com

Plug Detail – Industry Standard Designations


290B


910


386A/386E


150

Part No.	Volex X-Ref.	Fig. (p.172)	Plug Detail	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
3-conductor power cord w/ pigtail, NEMA 5-15P plug, PVC, black										
38025	17238 R	5	—	8'	18/3	SVT	$2.69	$2.51	$2.29	$1.71
3-conductor power cord w/ pigtail, NEMA 5-15P plug, shielded, black										
166925	17516 R	5	—	6'7"	14/3	SJT	$4.75	$4.28	$3.84	$3.46
3-conductor power cord w/ pigtail, NEMA 5-15P plug, unshielded, black										
339733	17534 R	5	290B	6'7"	18/3(41x34)	SVT	$2.35	$1.74	$1.65	$1.60
3-conductor power cord w/ pigtail, NEMA, PVC, unshielded, gray										
173809	17405 ⊕	5✪	—	6'	18/3	SJT	$2.35	$2.12	$1.70	$1.28
3-conductor power cord w/ pigtail, unshielded, black										
340056	17537 R	5	910	9'10"	18/3(41x34)	SJT	$3.19	$2.71	$2.30	$1.96
3-conductor power cord, "Y" twin end, black										
340566	17268A R	12	150/250A	4'	18/3(41x34)	SJT	$7.85	$5.84	$5.55	$5.29
3-conductor right angle detachable power cord, shielded, PVC, black										
173252	17745 R	4	—	6'	18/3	SVT	$4.75	$4.27	$3.42	$2.57
3-conductor right angle detachable power cord, unshielded, PVC, black										
177384	17507 R	4	—	10'	18/3	SJT	$4.75	$4.31	$3.83	$3.23
3-conductor detachable power cord, shielded, PVC, black										
161761	17742	13	290B/386A	6'	18/3	SVT	$4.74	$4.28	$3.42	$2.57
340110	17742	13	290B/386A	6'7"	18/3	SVT	3.49	3.14	2.85	2.60
159361	17602 ⊕	13	—	6'	16/3	SJT	3.79	3.41	2.73	2.05
3-conductor detachable power cord, unshielded, PVC, black										
340291	17001A R	13	290B/386E	3.0'	16/3(26x30)	SJT	$3.69	$2.72	$2.59	$2.50
125541	17504	13	—	6'7"	14/3	SJT	6.19	5.59	5.04	4.49

*Thermoplastic Cord Jacket Type: **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service*

✪ Blue Part No. = Limited Quantity Available

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- BSI: British Standard Institution
- Voltage rating: 300V
- Cord type: H05VVF
- Cord color: black


117911 /174633 (End 1)


117911 (End 2)


174633 (End 2)

European Agency Approvals

Germany	VDE		France	LCIE	
Austria	OVE		Netherlands	KEMA	
Belgium	CEBEC		Norway	NEMKO	
Denmark	DEMKO		Sweden	SEMKO	
Finland	FIMKO		Switzerland	SEV	

Fig. 1

Part No.	Cross Ref. No.*	Country	Agency Approvals	Cord Length	Conductors	Pricing 1	10	100	250
117911	PCVDE-6B R	Europe	All in Fig. 1	6 ft.	3/0.75mm²	$6.79	$6.14	$5.52	$4.65
174633	21071H5182 R	UK/Ireland	BSI	8 ft.	3/1.0mm²	7.79	7.01	6.32	5.59

* Manufacturer may vary

Power Entry Filters and AC Receptacles

Fig. 1 (Solder Terminals)

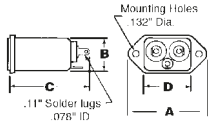


Fig. 2 (Fast-on Terminals)

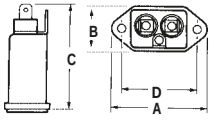



Fig. 3

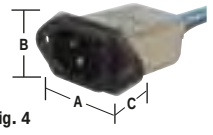


Fig. 4

Quantity SAVE

- Frequency: 50/60Hz


Fig. 5

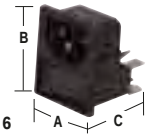


Fig. 6



Fig. 7

For More ValuePro Power Entry Filters and AC Receptacles visit www.Jameco.com

Part No.	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches) A	B	C	D	Pricing 1	10	100	500
150615	03AC1 ⊕	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	$5.95	$5.36	$4.28	$3.21
667438	YB03A1-A	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.26"	2.05	0.98	2.15	1.58	4.95	4.29	4.19	4.08
16652	JR101 R	AC power inlet (male) flanged solder	3	10	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	1.17	1.05	.94	.85
Other Manufacturers — Great Deals																
165016	SUP-J15G-E-2	Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	$5.95	$5.35	$4.85	$4.05
210913	01GEEW3E	Power entry filter, straight (flanged)	4	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.36	4.28	3.21
147109	42R02 ⊕	AC power inlet (male) snap-in	5	15	250	Fast-on	UL/CSA	0.25"	1.22	0.94	1.13	N/A	.65	.59	.468	.451
184903	42R363152IOU	AC power inlet (male) w/ switch (snap-in)	6	10	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.17
265527	WS-044† ⊕	AC power inlet (male) w/ fuse chamber (snap-in)	7	10	250	Fast-on	UL	0.185"	1.73	1.29	0.77	1.42	1.79	1.61	1.39	1.10

† Includes spare fuse holder – fuse type 5mm x 20mm (250V)

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More Power products are available on our website. Visit us online today!

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave


1581775


1581791


1581505


1582364


1581468


1582524


1581476


1581521


1582102

For more Keystone Battery Holders & Clips visit www.Jameco.com

Coin Cell Battery Retainers

Part No.	Prod. No.	Description	1	10	100
1581775	3000	12mm single, SMT, for 1216/1220/1225	$.27	$.264	$.257
1581783	3002	20mm single, SMT, for 2016/2020/2025/2032	.34	.297	.248
1581791	3003	20mm single, PC mount, for 2016/2020/2025/2032	.37	.317	.277

Coin Cell Battery Holders

Part No.	Prod. No.	Description	1	10	100
1581505	500	12mm single, PC mount, for 1216/1220/1225	$.79	$.74	$.71
1581610	1060	20mm low profile, single, SMT, for 2032	1.29	1.24	1.09
1581628	1061	20mm single, SMT, for 2016/2020/2025/2032	1.39	1.24	.99
1581636	1065	20mm compact, vertical, single, PC mount	1.45	1.43	1.24
1581644	1066	20mm single, SMT, for 2025/2032	1.14	1.00	.91
1581652	1067	20mm single, SMT, for 2025/2032	1.25	1.14	.93
1581661	1071	23mm single, SMT, for 2320/2325/2330	1.55	1.40	1.24
1582364	1025-7	24mm single, SMT, for 2430/2477	1.65	1.56	.97

Battery Holders

Part No.	Prod. No.	Description	1	10	100
1581468	92	Single snap-in clip, PC mount A & AA	$.21	$.188	$.178
1581759	1294	Plastic single cell, PC mount, 9V	1.19	1.12	.99
1581767	2103	Steel single cell, PC mount, 1/2 AA	1.89	1.62	1.47
1582524	2105	Steel single cell, PC mount, 1/2 A	1.49	1.44	1.34

Battery Contacts

✳ Minimum order 10 pieces

Part No.	Prod. No.	Description	1	10	100
1581476	204	Snap-on, leaf, for AAA, AAAA, N	$.24	$.231	$.158
1581484	211	Spring contact, for A, AA	✳	.077	.069
1581521	593	Horizontal "on-board", male, PC mount, 9V	.34	.321	.287
1581548	635	Horizontal "off-board", male, PC mount, 9V	.29	.235	.198
1582102	5201	Negative spring, solder tab, for A, AA	✳	.139	.122

Battery Holders

JAMECO ReliaPro — Jameco Exclusive

For more ReliaPro Battery Holders visit www.Jameco.com

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071	BH-311-2A ⊕	1	1-AA	Wires	Single		$.75	$.68	$.54	$.41
216081	BH-321-2A	2	2-AA	Wires	Single		1.05	.93	.84	.75
216099	BH-321-4A	2	2-AA	Wires	Single	With mounting tabs	.79	.71	.56	.425
216102	SBH-321-2A	3	2-AA	Wires	Single	With cover, no switch	.65	.57	.45	.343
216119	SBH-321-1AS ⊕	3	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216136	BH-331-A	4	3-AA	Wires	Single		1.49	1.33	1.21	1.10
216144	SBH-331-AS	5	3-AA	Wires	Single	With cover and switch	1.09	.87	.78	.59
216151	BH-341-2A ⊕	6	4-AA	Wires	Single		.99	.84	.77	.45
105858	✳	7	4-AA	Wires	Single	Wires with connector	.78	.71	.68	.60
216179	BH-343-1A	8	4-AA	Wires	Dual		.75	.61	.518	.386
216187	SBH-341-1AS	9	4-AA	Wires	Single	With cover and switch	1.19	.97	.93	.82
216223	BH-364-A ⊕	10	6-AA	Wires	Single		.85	.71	.65	.50
216232	BH-363-B	11	6-AA	Snaps	Dual		1.05	.78	.72	.68
216240	BH-383-A ⊕	12	8-AA	Wires	Dual		1.15	.94	.89	.83
216258	BH-382-B ⊕ ✪	13	8-AA	Snaps	Dual		1.19	.99	.89	.85
216267	BH-383-B	12	8-AA	Snaps	Dual		1.69	1.40	1.22	.91
216283	BH-421-1A	2	2-AAA	Wires	Single		.69	.59	.54	.49
216339	SBH-441-AS	9	4-AAA	Wires	Single	With cover and switch	1.55	1.36	1.10	.83
216362	BH-242-1A ⊕	14	4-C	Wires	Single		1.39	1.25	1.00	.75
216371	BH-111-1A ⊕	1	1-D	Wires	Single		.69	.62	.496	.375
216389	BH-121-1A ⊕	2	2-D	Wires	Single		1.19	1.07	.86	.65
216401	BH-142-A	14	4-D	Wires	Single		1.10	.84	.77	.67
216419	BH-143-1A	6	4-D	Wires	Single		1.15	.89	.81	.74
216427	BH-9V-A	15	1-9V	Wires	Single		.95	.81	.76	.70
38543	2S2325 ⊕	16	1-CR2354 or 2-CR2325	PC Mount	Coin cell		.96	.86	.54	.46
355434	17002-00603 ⊕	17	1-CR2032	PC Mount	Coin cell		.63	.57	.456	.345
Other Manufacturers — Great Deals										
236996	103	16	1-CR2032	PC Mount	Coin cell		$1.03	$.86	$.71	$.64

✳ Battery holder used in many personal computers ✪ Blue Part No. = Limited Quantity Available


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9

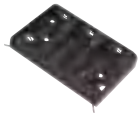

Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17

"9-Volt" Battery Snaps and Clips

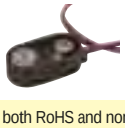
For more Battery Snaps & Clips visit www.Jameco.com

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225"
- Female inner dia. = 0.215"


Fig. 1


Fig. 2


Fig. 3


Fig. 4

Part No.	Fig.	Description	Dimensions (in.) L	W	H	Pricing 1	10	100	1000
11280	1	3", 26 AWG, 6 prong battery snap	1.0	.50	–	$.30	$.264	$.228	$.192
105794	2	Battery holder clip	.63	.71	1.2	.28	.23	.16	.14
109154	3	6", 26 AWG, 6 prong battery snap	1.0	.50	–	.21	.18	.165	.137
101470	3	10", 26 AWG, 6 prong battery snap	1.0	.50	–	.35	.30	.252	.168
216452	4	6", 26 AWG, 6 prong battery snap	1.0	.50	–	.34	.30	.20	.18

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Lead Acid Batteries

- Sealed
- UL approved
- Rechargeable
- Two-year warranty

TYSONIC

For more Tysonic Lead Acid Batteries visit www.Jameco.com


264014


264031


264049


264057


264065


264073

Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference: Panasonic	YUASA	Eagle Picher	Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing: 1	10
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	**$9.99**	**$8.45**
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	**15.69**	**14.52**
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	**16.99**	**15.49**
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	**17.49**	**15.59**
318924	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	**18.65**	**16.89**
264049	TY-12-4.5✪	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	**18.15**	**16.73**
264057	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	**18.15**	**16.21**
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	**36.29**	**33.87**
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	**38.59**	**33.49**
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	**70.39**	**63.00**

✪ Blue Part No. = Limited Quantity Available

Eveready® Energizer® Alkaline Batteries


198731


198707


198715



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- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size	1	10
198731	9-volt	**$1.89**	**$1.81**

• Priced per battery. Sold in multiples of 4.

Part No.	Size	4	40	100
198707	AA	**$.66**	**$.59**	**$.53**
198715	AAA	**.49**	**.46**	**.44**

For more Alkaline Batteries visit www.Jameco.com

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.

- Batteries come prepackaged

DANTONA


231095


231087


231124


231108

* Priced per battery

Part No.	Description	1	8	24
231095	AAA, 600mAh (2/pk)*	**$4.39**	**$4.04**	**$3.69**
231087	AA, 1600mAh (4/pk)*	**3.99**	**3.72**	**3.54**
231124	D, 9000mAh (2/pk)*	**16.09**	**15.35**	**14.62**
231108	"9V", 150mAh	**10.15**	**9.64**	**9.18**

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Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Silver Oxide

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
140783	357	1	Button	1.55	1600	0.454"Dia.	**$1.75**	**$1.49**	**$1.25**

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"Dia.	**$1.25**	**$.99**	**$.79**

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
150965	Rayovac 840	3	—	4.5	600	1.14"L x 0.73"W x 0.96"H	**$9.95**	**$8.99**	**$8.06**
198791	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	**2.85**	**2.55**	**2.29**

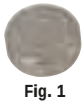

Fig. 1


Fig. 2


Fig. 3

Automatic Battery Chargers


673416

- Safely charge and maintain lead acid batteries without supervision
- High frequency MOSFET switching design • Safe for gel cell batteries
- Multi-stage charging circuit prevents batteries from overcharging
- Extends battery life • Input voltage: 98 to 132VAC @ 50/60Hz • Output banks: 3
- Analog amp meter • Short circuit, overload, and reverse polarity protection

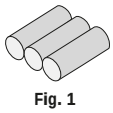
Part No.	Product No.	Output Volt. DC @ Current	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
673416	SEC-1215A	13.5V @ 15A	8.5 x 8.4 x 3.3	4.8	**$141.55**	**$134.49**	**$127.75**
673432	SEC-2415A	27V @ 15A	10.8 x 8.4 x 3.3	6.4	**236.55**	**224.75**	**213.49**

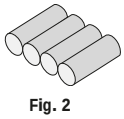
JAMECO ReliaPro

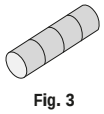
Rechargeable Battery Packs

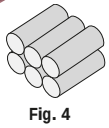
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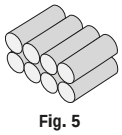
- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

Part No.	Fig.	Volt	Size	Type	mAh	Connection	1	10	25
299090	1	3.6	AA	NiCd	700	Lead wire	**$8.45**	**$7.62**	**$6.77**
298345	1	3.6	AA	NiCd	1000	Solder tab	**8.45**	**7.62**	**6.77**
299241	1	3.6	AA	NiMH	1800	Lead wire	**12.75**	**11.65**	**10.33**
299250	2	4.8	AA	NiMH	1800	Lead wire	**16.69**	**15.92**	**15.18**
298652	2	4.8	SC	NiCd	2200	Solder tab	**13.89**	**12.49**	**11.39**
298687	3	4.8	SC	NiCd	2200	Solder tab	**13.85**	**12.45**	**11.38**
299305	4	7.2	AA	NiMH	1800	Lead wire	**22.09**	**20.01**	**18.11**
299461	5	9.6	SC	NiCd	2200	Lead wire	**28.45**	**25.68**	**23.33**

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Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9

Lithium & Lithium Ion

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011	CR1/3N	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	$2.65	$2.50	$1.88
240258	CR123A	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.45	2.20	2.09
33371	TL5101P	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398	TL5104P	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.25	5.89	5.53
146114	TL2100S	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
11789	CR2325	6	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.65	1.47	1.25
14162	CR2032	—	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.12	.94
1585451	DL2032	6	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.15	1.12	1.09
689071	DL2450	6	Coin cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Thick	2.95	2.59	2.39
673635	CA1/2AA	—	1/2 AA	3	950	Barrel with leads	1.0"L x 0.58"Dia.	1.79	1.60	1.20
673601	NBL621/F9DE	—	Coin cell	2	4	Vertical PC mount	0.27"Dia. x 0.10"Thick	1.79	1.60	1.20
126754	TL5101S	7	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	4.65	4.44	4.17
240266	ER14250	8	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898	ER14250	9	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.65	4.37	3.94
240303	ER14505	10	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.45	5.04	4.90
240160	ER26500	11	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
240151	ER34615	12	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95
244646	UR18650H1	13	—	3.6	2200	Flat top lithium ion (rechargeable)	2.60"L x 0.71"Dia.	17.55	15.79	14.21


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18

NiCd – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	14	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	$1.59	$1.45	$1.19
244515	AA-1000-CT	14	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
126720	351FT	15	—	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116	3/V60R	15	—	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.35	3.29	3.22
101653	NA101-1	16	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95

NiMH – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244822	AA-1800-CT	17	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	$2.69	$2.39	$2.26
244620	9V-200	18	9V	9	200	Snaps	1.94"L x 0.65"Dia.	9.35	8.31	7.47

Panel Meters

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters


108388


175951


146835


123140

- Input ranges: 200mV, 20V, 200V, 500V
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- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, pg 175)
- Input impedance: >100MΩ
- Automatic polarity indication
- Size: 2.7"W x 1.7"H

146835: Backlit display **Includes:** Bezel

Part No.	Cross Ref. No.	Digits	1	10	25
108388	PM-428	3½	$14.39	$13.27	$12.16
175951	PM-128	3½	12.95	11.95	10.95
146835	PM-188BL	3½	19.99	18.99	17.99
123140	PM-328	4½	30.99	27.69	24.96

Velleman Analog Panel Meters

- Includes mounting hardware
- Size: **A:** 2.4"W x 1.8"H x 1.3"D; **B:** 2.8"W x 2.4"H x 1.4"D

316507: Includes current shunt

Part No.	Product No.	Range	Size	1	4
316603	AVM6015	0 – 15VDC	A	$10.29	$8.71
316671	AVM7015	0 – 15VDC	B	8.79	7.49
316638	AVM6030	0 – 30VDC	A	8.79	7.49
316654	AVM7030	0 – 30VDC	B	9.95	8.46
316718	AVM60150	0 – 150VAC	A	8.79	7.49
316785	AVM60300	0 – 300VAC	A	8.79	7.49
315301	AIM60005	0 – 50µA	A	9.65	8.16
316523	AIM6050	0 – 50mA	A	8.79	7.49
316486	AIM60100	0 – 100mA	A	8.99	7.65
316558	AIM60500	0 – 500mA	A	9.69	8.26
316566	AIM60500	0 – 5A	A	9.75	8.31
316582	AIM705000	0 – 5A	B	8.79	7.49
316494	AIM6010A	0 – 10A	A	9.39	8.01
316507	AIM6030A	0 – 30A	A	10.55	8.99

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316603


316523

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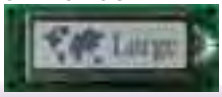
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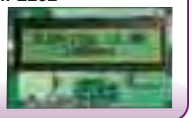
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Matrix Orbital GLK12232-25-SM



281391 *(serial)*

Scott Edwards ILM-216L



150990 *(serial)*

Ocular OM4021-WGS-01



277325 *(parallel)*

Hantronix HDM64GS12L-4-N31S



658953 *(parallel)*

Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	10	25
150990	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	**$48.95**	**$44.09**	**$39.99**
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V-5.5V @ 3mA	N	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	**59.95**	**53.99**	**48.99**
174166	Matrix Orbital	LK162-12 ⊕	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	**49.59**	**48.99**	**48.49**
693708	Matrix Orbital	LK162-12-GW ♻	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,12,13	3.2 x 1.4 x 1.1	2.5 x 0.7	**49.59**	**48.99**	**48.59**
693783	Matrix Orbital	LK162-12-IY ♻	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,14	3.2 x 1.4 x 1.1	2.5 x 0.7	**49.59**	**48.99**	**48.49**
1536878	Matrix Orbital	LK162-12-R ♻	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13	3.2 x 1.4 x 1.1	2.5 x 0.7	**49.59**	**48.99**	**48.49**
281332	Matrix Orbital	LK162-12-WB ♻	16 x 2	1200 - 19.200	5.0V @ 9mA	Y	1,7,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	**49.59**	**48.99**	**48.49**
693986	Matrix Orbital	LK202-25-IY ♻	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,14	4.6 x 1.5 x 1.1	3.1 x 0.7	**58.99**	**56.99**	**53.49**
693978	Matrix Orbital	LK202-25-GW ♻	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,12	4.6 x 1.5 x 1.1	3.1 x 0.7	**58.99**	**56.99**	**53.49**
693994	Matrix Orbital	LK202-25-R ♻	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	**58.99**	**56.99**	**53.49**
281341	Matrix Orbital	LK202-25-WB ♻	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10	4.6 x 1.5 x 1.1	3.2 x 0.7	**58.99**	**56.99**	**53.49**
150957	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	**59.95**	**59.45**	**59.00**
157323	Matrix Orbital	LK204-25 ⊕	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	**68.99**	**66.99**	**65.59**
694170	Matrix Orbital	LK204-25-IY ♻	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	**68.99**	**66.99**	**65.59**
694188	Matrix Orbital	LK204-25-WB ♻	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16	3.9 x 2.4 x 1.2	3.0 x 1.0	**68.99**	**66.99**	**65.59**
281391	Matrix Orbital	GLK12232-25-SM ⊕	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	**68.99**	**67.99**	**65.99**
694356	Matrix Orbital	GLK12232-25-SM-WB ♻	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 22mA	Y	1,8,17	3.4 x 1.4 x 0.5	2.4 x 0.7	**68.99**	**67.99**	**66.09**
281404	Matrix Orbital	GLK12232-25-WBL ⊕	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	**74.99**	**73.99**	**71.19**
694364	Matrix Orbital	GLK12232-25-WBL-WB ♻	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 18mA	Y	1,8,17	3.9 x 2.4 x 0.4	2.7 x 0.8	**77.99**	**75.99**	**73.39**
174182	Matrix Orbital	GLC24064 ⊕	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	**167.79**	**152.73**	**146.81**
694372	Matrix Orbital	GLK24064-25-GW ♻	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Y	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	**168.99**	**160.99**	**153.99**
694381	Matrix Orbital	GLK24064-25-WB ♻	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Y	1,9,16	7.1 x 2.6 x 0.7	5.0 x 1.3	**268.99**	**160.99**	**153.99**

*1. For a power supply, Jameco recommends P/N 164101, pg 167
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)
3. Manual included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature
7. Connect 127 modules on the same 2-wire interface
8. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal
12. Grey text/white background
13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs
14. Inverse yellow
15. Inverse red
16. White text/blue background
17. Color of illumination: white/ice blue

Parallel LCD Displays

• For detailed specification sheets, please visit **www.Jameco.com**. • 90-day Jameco warranty

For more Parallel LCD Displays visit www.Jameco.com

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes†	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	10	25
644025	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	**$7.25**	**$6.67**	**$5.51**
171716	Ampire♻	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	2, 4	3.4 x 1.2 x 0.5	2.5 x 0.7	**14.15**	**13.49**	**12.78**
658881	Hantronix	HDM716216H-4-H0AF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	4	4.8 x 1.7 x 0.4	3.9 x 0.9	**11.95**	**10.49**	**7.87**
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	4	3.3 x 1.7 x 0.4	2.4 x 0.6	**11.95**	**10.49**	**8.95**
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	**10.95**	**9.95**	**7.49**
658988	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Y	4	4.8 x 1.7 x 0.6	3.9 x 0.9	**16.95**	**14.95**	**11.95**
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	**12.69**	**10.79**	**9.45**
1585979	Tinsharp	KEST1602A-08	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Y	—	3.1 x 1.4 x 0.4	2.5 x 0.4	**13.95**	**13.49**	**11.95**
210761	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 4	3.4 x 2.4 x 0.3	2.4 x 1.0	**22.95**	**19.95**	**18.69**
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	3	7.2 x 1.6 x 0.4	6.5 x 1.3	**21.59**	**18.35**	**13.74**
658902	Hantronix	HDM20216H-3+001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	4	4.6 x 1.5 x 0.4	3.3 x 0.7	**18.95**	**15.95**	**14.49**
658970	Hantronix	HDM20216L-1-G30F	20 x 2	5 x 7	8-bit	5.0V @ 2.4mA	Y	4	4.6 x 1.5 x 0.6	3.4 x 0.7	**18.95**	**16.95**	**14.49**
171724	Ampire♻	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	2, 4	4.6 x 1.5 x 0.4	3.3 x 0.7	**24.95**	**22.49**	**20.25**
658911	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Y	4	4.6 x 1.4 x 0.6	2.4 x 0.6	**19.95**	**16.96**	**12.72**
320101	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	4	4.6 x 1.4 x 0.4	3.7 x 0.7	**15.59**	**13.25**	**9.94**
320039	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	4	7.2 x 1.2 x 0.3	6.0 x 0.6	**21.69**	**20.17**	**16.84**
277325	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	4	7.2 x 1.3 x 0.6	6.0 x 0.6	**22.45**	**19.13**	**14.34**
658831	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	4	7.2 x 1.3 x 0.4	6.1 x 0.6	**19.95**	**17.95**	**15.49**
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x7	8-bit	5.0V @ 2.2mA	N	4	7.2 x 1.3 x 0.4	6.1 x 0.6	**19.95**	**17.95**	**15.49**
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Y	4	7.2 x 1.3 x 0.6	6.1 x 0.6	**24.95**	**22.45**	**19.49**
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	—	7.5 x 2.1 x 0.4	5.5 x 0.9	**29.95**	**26.95**	**20.21**
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Y	5	3.0 x 2.1 x 0.4	2.4 x 1.3	**27.95**	**24.95**	**21.49**

†**1**. Control LSI HD44780 & column driver MSM5259 or equivalents; **2**. Controller KS0066U or equivalent; **3**. Built-in controller HD44780; **4**. Recommend power supply P/N 164101, pg 167; **5**. Dot Graphic LCD display

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
311204	Intel Celeron® processor♣	800	FCPGA-370	$42.09	$37.88
150501	Intel Pentium MMX® proc. ♣	233	376/PGA	69.95	62.95

♣ Pull = Extra Savings

Legacy Memory Modules

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148451	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	$30.95	$28.95
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	4.95	3.95

CPU Heat Sinks and Fans**

Part No.	Description	Size (H" x W" x D")	1	10
181279	Heat sink w/ fan for socket 7 (ATX) ⊕	2.12 x 2.05 x 1.67	$8.49	$7.65
190545	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	13.55	12.19
645482	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	10.95	9.49
319185	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	8.05	6.05
129226	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	2.95	2.21
684748	Heat sink w/ fan for socket 7 (AT/ATX)	1.00 x 2.60 x 2.30	8.99	8.59

** See website for photos

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

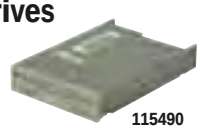
Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
151036	3.2GB♣	EIDE/Ultra DMA33	1 year	$39.95	$29.96
151044	4.3GB♣	EIDE/Ultra DMA33	1 year	49.95	45.95
146333	2.5GB♣	EIDE/FAST ATA-2	1 year	33.29	29.95
124978	1.27GB♣	IDE	1 year	30.25	27.22

* Manufacturers may vary & capacity may exceed specification ♣ Pull = Extra Savings

1.44MB 3.5" Internal Floppy Disk Drives

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H • Weight: 1.4 lbs.



115490

Part No.	Product No.	Mfr.	Color	1	10
115490	FD235	TEAC	Beige	$23.94	$21.54
249367	MPF920-Z	Sony	Beige	17.29	15.99
661108	D359M3D	Mitsumi	Black	20.95	18.95

Mounting Kit

Designed to mount most 3.5" media devices into standard 5.25" half height bays.

- 3.5" hard drive mount kit (short)



Part No.	Cross Ref.	1	10	25
180857	HDB35 ⊕	$3.35	$2.95	$2.21

IntelliMover Kit



The IntelliMover kit lets you quickly and easily move email, music, photos, files, folders, settings and more from your old PC to a new PC. You can select file types, and settings that you want to move, so you do not end up cluttering your new PC with unwanted files.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data and settings across operating systems
- Integrates intelligently on your new PC; there's no over writing of drivers or data files
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utilityand either data transfer cable

Part No.	Description	1	10
689910	IntelliMover kit with CD	$24.95	$22.45

USB Thumb Drives



687682

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.

- 10 year data retention
- Size: 2.9"L x 0.7"W x 0.4"H
- Windows® 98/98SE drivers are available at www.Jameco.com

SALE

Part No.	Description	Price
687682	128MB (PNY)	$5.95
687738	128MB	4.95

10" B&W Security Monitor w/ Audio



- EIA format
- 9" viewable screen
- Resolution: 700 line
- Push down front panel for volume and power switch
- BNC jacks for audio/video input
- Input voltage: 120VAC @ 60Hz (2-prong 5' cable)
- Size: 9.3"W x 12.0"D x 9.1"H
- Weight: 15 lbs.

Includes: Manual

Part No.	Description	1	10
253067	10" B/W monitor	$121.05	$88.84

5.6" Color TFT Monitor

NTSC Format



- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Size: 6.1"W x 1.2"D x 4.8"H
- Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702	5.6" TFT color monitor	$279.95	$259.95

XBOB-NC Video Text Module



XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of the popular BOB-3 module and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- Higher display density; 40x17 characters (680 max.)
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control

Part No.	Description	1	10
283768	XBOB video text module	$189.95	$179.99
100845	9VDC power supply	4.59	4.37

BOB-4 Video Text Module

- Simple hookup (DC, serial data, video I/O)
- High display density; up to 480x240 (NTSC) or 480x288 (PAL)
- Industry-standard ANSI control protocol (ECMA-048)
- Automatic video mode control (local/genlock)
- Async, Synchronous, and SPI host communication options
- Software-controlled digital outputs (5)
- Customer-configurable video standards (NTSC/PAL)
- Stand-alone operation for simple source ID, target reticle, etc.
- Prints plain ASCII text in default configuration
- Vector graphics drawing commands
- Consumes only 1/2W at +5VDC
- Extended production lifetime; no OSD chips!



Part No.	Description	1	10
1537476	BOB-4 video text module	$99.95	$94.95

NEW

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.


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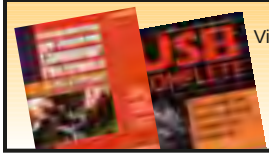

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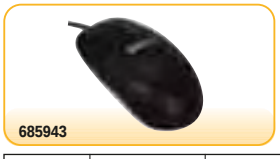


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Part No.	Mfr.	Product No.	Interface	Description	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
1726153	Cherry	G84-4400PPBUS♠	PS/2	83-key tactile keyboard w/ trackball	14.6 x 5.5 x 0.8	1.3	**$184.89**	**$179.23**	**$173.57**
1726090	Cherry	G81-1800HBAUS♠	PS/2	101-key general purpose compact keyboard with AT-XT interface, Windows® comp.	15.9 x 7.1 x 1.7	2.8	**96.79**	**92.18**	**87.57**
311183	OKI	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	12.6 x 6.2 x 1.0	5.0	**35.59**	**30.25**	**25.71**
211756	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	11.4 x 8.5 x 1.2	2.3	**59.95**	**53.95**	**48.95**
639550	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	15.9 x 6.5 x 1.3	2.1	**39.95**	**35.95**	**32.49**
173649	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	18.2 x 7.0 x 1.5	2.7	**12.95**	**11.01**	**8.26**
681230	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/built-in speakers	18.5 x 10.0 x 3.2	2.5	**19.95**	**17.95**	**15.95**
265375	ITRON	Scorpius-22RB	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function Includes manual and drivers	6.2 x 4.2 x 1.3	0.8	**39.95**	**35.95**	**32.49**
1537109	Panova	25551	USB	18-key USB tactile keypad	4.3 x 3.0 x 0.5	0.2	**29.95**	**27.95**	**24.95**

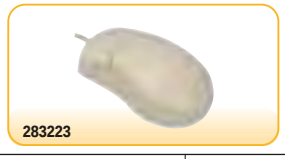
For more Mice visit www.Jameco.com

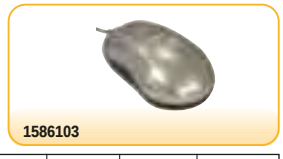
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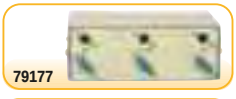
Part No.	Manufacturer	Product No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	—	OW7751	Mech. Ball	USB	3-button with scroll; black	4.8 x 2.5 x 1.5	**$14.95**	**$13.49**	**$10.12**
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	4.6 x 2.6 x 1.5	**20.85**	**18.65**	**13.99**
305082	IONE	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter	5.6 x 4.7 x 1.9	**29.95**	**26.95**	**24.25**
283223	—	—	Mech. ball	DB9 female	3-button serial	4.3 x 2.6 x 1.6	**6.15**	**5.23**	**3.92**
1586103	A4TECH	MOP-57	Optical	USB	3-button with scroll; silver	3.5 x 1.8 x 1.3	**12.95**	**12.95**	**11.59**

For more Computer Switchboxes visit www.Jameco.com

Computer Switchboxes

KVM Switchbox

Part No.	Cross Ref. No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
79177	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	**$19.95**	**$17.95**


79177

Serial-to-PC Switchboxes

79126	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	**$9.95**	**$8.95**
183418	— ♻	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	**19.95**	**17.95**


183418

Cables & Microphone

www.Jameco.com

Our enhanced website offers thousands of additional products. Find products quickly and order them easily.

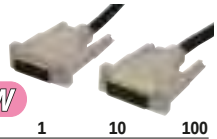
PS/2 Cable



- For use with switchbox P/N 149391, see web

Part No.	Description	1	10
204062	6' PS/2 cable	**$16.95**	**$15.29**

Digital Video Interface Cable



- DVI cable for flat panel LCD monitors and high-end video graphics cards
- Connector: DVI-D single link type

NEW

Part No.	Description	1	10	100
320346	6' DVI cable	**$11.49**	**$9.95**	**$7.46**

CD-ROM Audio Cable



Part No.	Connection from Sound Blaster to	Length	1	10	50
168612	Universal ⊕	18"....	**$4.95**	**$4.46**	**$3.35**

Hands-Free Condenser Microphone



- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H
- One-year warranty

Part No.	Description	1	10	50
135248	Microphone ♻	**$4.49**	**$3.99**	**$3.65**

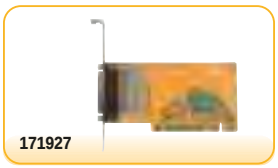
♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Interface Cards

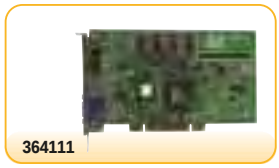
RoHS Compliant Product
RoHS Also Available
Details on Order Info Page

Color Code Legend: New Sale Lower$ QtySave


171927


308769


131318


364111

Serial Interface Cards

For more Interface Cards visit www.Jameco.com

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
171556	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/1/15 and address jumper configurable, dual 16C550 DB9 male.	$32.85	$28.75
172006	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171548	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660	—	99469 ⊕	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	134.95
344903	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

Parallel Interface Card

171927	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	$39.95	$35.95

Network Interface Card

♣ Pull = Extra Savings

308769	3-COM	3C509B-TPO♣	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	$20.99	$16.04

Super I/O Controller Card

131318	—	KW-557A✪	ISA	—	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	$29.95	$26.95

Video Graphics Card

364111	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT4.0 compatible.	$29.99	$28.49

✪ Blue Part No. = Limited Quantity Available

Power Supplies

150 to 500-Watt PC Power Supplies

For more Power Supplies visit www.Jameco.com


308814


1810144


1810136


1537310


1536915


196189


1537424

ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing 1	10	25
422094	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	$125.05	$115.00	$108.80
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	52.20	49.59
1810144	LC Power	LC350U*	350	+3.3/16; +5/30; +12/15 -5/0.5; -12/0.8; +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/TUV/CE	5.9 x 5.6 x 3.4	2.3	28.00	26.95	23.49
427928	Seasonic	SS-300SFD Active PFC	300	+3.3/20,+5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	51.05	46.90	44.40
1810136	FSP	FSP300-601U*	300	+3.3/20; +5/25; +12/16; -5/0.3; -12/0.8; 5VSB/2	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 172)	UL/CSA/VDE/CE	8.3 x 4.0 x 1.6	3.3	49.95	44.95	38.50
1537310	FSP	FSP-300-60ATV*♣	300	+3.3/28, +5/30, +12/15, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/CSA/TUV	6.0 x 5.6 x 3.5	4.0	26.95	23.95	19.95
1536915	Potrans	PP-253XA*	250	+3.3/14, +5/25, +12/8, +5VSB/2 -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.5	39.95	35.95	32.35
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	35.65	30.30	22.73

AT Power Supplies

692414	Autec	PCB-5300-2000	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/CSA/TUV	6.0 x 5.6 x 3.4	3.0	$29.95	$26.95	$23.95
1537424	FSP	SPI-250G*	250	+5/26, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 172)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.1	34.95	29.95	24.95

* See photo above ♣ Pull = Extra Savings

We're Listening to What You Need

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send your requests to **NewProducts@Jameco.com**.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Surge Protectors

For more Tripp-Lite Surge Protectors visit www.Jameco.com

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4-outlet protectors: 6' cord; 8-outlet protectors: 12' cord
- UL 1449 and 1283 listed
- Lifetime warranty



19001

isobar®

MADE IN USA

ULTIMATE LIFETIME INSURANCE

Isobar Premium Surge Protector

18981	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	**$49.95**	**$44.95**

Isobar Ultra Premium Surge Protector

19001	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	**$69.95**	**$63.74**

www.Jameco.com

For additional Computer & Networking Products visit our website.

Standard Surge Protector

Economical and effective spike and noise suppression with diagnostic LEDs.

- $75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes • Weight: 1.6 lbs.



Part No.	Product No.	Joules	1	10
124337	Super 7	2350	**$17.95**	**$16.35**

6-Outlet Surge Protectors

20175:

- Metal power strip
- 3-prong, 4' power cord
- Max. spike current: 4500A, 50 joules
- Size: 12.3"L x 2.4"W x 1.3"H • Weight: 1.5 lbs.



20175

216485:

- Heavy-duty power cord (14AWG x 3)
- Max. spike current: 4500A • Clamping voltage: 400V
- Max. surge dissip.: 900 joules • Max. surge volt.: 6500V
- RESET/OFF switch with built-in 15A circuit breaker • Weight: 0.9 lbs



216485

Part No.	Product No.	1	10	100
20175	51W1-13206	**$11.15**	**$10.00**	**$8.87**
216485	51W1-10206	**6.95**	**6.25**	**5.59**

PowerSense™ Power-Over-Ethernet Mid Span Hubs

For more Belden Networking Products visit www.Jameco.com

PowerSense AX-6000 Series

- Current limited for short circuit protection with power isolation of 1500V_{RMS}
- Supplies a full 15.4W for up to 8 devices as per IEEE 802.3af standards
- Two diagnostic LEDs
- Auto detects power requirements for safety and offers transparent 10/100Mb and management operation
- Support for all compliant IEEE 802.3af powered devices
- All chassis products feature a removable US power cord with IEC plug



779093



779114

1 Slot Chassis with one standard 6500 module installed

Part No.	Product No.	Description	1	5	10
779093	AX-6108	8 power & data ports (10/100Mbps)	**$496.35**	**$471.56**	**$447.98**
779106	AX-6108-RM ✦	Optional 19" rackmount kit	**18.99**	**18.05**	**17.15**

8 Slot Chassis with up to three 6500 modules installed

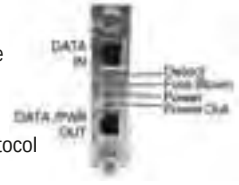
Part No.	Product No.	Description	1	5	10
779114	AX-6524 ✦	24 power & data ports (10/100Mbs)	**$1,075.95**	**$1,054.89**	**$1,033.99**
779122	AX-6516 ✦	16 power & data ports w/ 1 cover plate	**901.69**	**857.53**	**826.00**
779131	AX-6508 ✦	8 power & data ports w/ 2 cover plated	**686.75**	**653.15**	**629.13**

PowerSense AX-8000 Series

- Individual power modules, hot swappable in the 19" rackmount ready chassis, use 1 per powered device
- Current limited for short circuit protection with power isolation of 1kV between ports for safety
- User replaceable fuses for recovery from power surge or lightning damage,quickly repair any module
- 4 diagnostic LEDs
- Removable US power cord with IEC plug
- Mix & match for compatibility with IEEE802.3af or legacy Cisco CDP power devices, 12V or 24V protocol



779376



Chassis complete with 10 standard power chassis modules

Part No.	Product No.	Description	1	5	10
779350	AX-8310 ✦	10 pwr. & data modules, 12V protocol	**$767.75**	**$730.16**	**$703.31**
779368	AX-8410 ✦	10 pwr. & data modules, 24V protocol	**767.75**	**730.16**	**703.31**
779376	AX-8510 ✦	10 pwr. & data modules, IEEE802.3af compat.	**767.75**	**730.16**	**703.31**
779384	AX-8610 ✦	10 pwr. & data modules, Cisco CDP protocol	**858.09**	**816.07**	**786.06**
700751	AX-8300HW ✦	Double wide power & data mod., 12V protocol	**88.79**	**84.43**	**81.32**

PS5E HD Patch Panels

PS5E HD patch panels are robust and installer-friendly products by design, combining punch-down connectors and standard modular jacks. They are available in both BIX and 110 insulation displacement connection (IDC) options. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management.



701253



701277

Part No.	Product No.	Description	1	5	10
701241	AX100464 ✦	BIX patch pnl, 1U, 24 port gray, T568A/B	**$110.49**	**$106.19**	**$101.90**
701253	AX100465 ✦	BIX patch pnl, 1U, 24 port black, T568A/B	**110.49**	**106.19**	**101.90**
701265	AX100472 ✦	BIX patch pnl, 2U, 48 port gray, T568A/B	**213.05**	**197.16**	**189.22**
701277	AX100473 ✦	BIX patch pnl, 2U, 38 port black, T568A/B	**213.05**	**197.16**	**189.22**
701289	AX100452 ✦	110 patch pnl, 1U, 24 port black, T568B/A	**118.15**	**107.69**	**103.52**
701294	AX100454 ✦	110 patch pnl, 2U, 48 port black, T568B/A	**217.35**	**206.64**	**190.65**

✦ This product is a special order, non-cancelable, non-returnable and may take 1 week to ship.

Committed to You

We're committed to providing you with the best service in the industry

Angled Management Bar Kit

This angled bar management kit is composed of an angled bar with 4 management devices each managing 6 cables. The short range installation bracket allows the management bar to be swiveled upward and maintain on the horizontal position and allows installation in tight spaces.



- Retrofittable to any patch panel or patch cord independent of manufacturer or performance
- Swivelable and lockable
- Compatible to usual cable management solutions
- Clear label identification

Part No.	Product No.	1	5	10
701310	AX102641 ✦	**$46.95**	**$44.59**	**$42.36**

Optimax Tool Kit

Conveniently packaged in a carrying case, this optimax tool kit includes tools, installation instructions and a training video in CD form required to terminate 900μm buffered optical fiber and jacketed optical fiber, install LC/SC or ST compatible mode and single mode connectors.



Includes: Installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and training video

Part No.	Product No.	1	5	10
701302	AX100497 ✦	**$987.75**	**$939.47**	**$891.19**

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

IBM® 8-Port Ethernet Hub



10 Base-T

Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via theMDI (uplink) port.

- Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
226149	8-port hub✪	$44.95	$33.71

USB 2.0 Docking Station



- Connects via USB-A port to your laptop
- Size: 4.8"W x 2.5"D x 1.0"H

System Requirements: PC with 75MHz min. Pentium® or equivalent; 16MB of RAM minimum, available USB-A port, Windows® 98 or later

Part No.	Product No.	1	5
527822	USB 2.0 dock	$22.95	$15.95

19" Rack Mount Enclosures

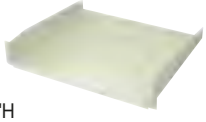


- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813

Includes: Mounting screws

Part No.	Dimensions (In.) H1	H2	D	Wt. (lbs.)	Pricing 1	10
132813	1.73	1.25	9.75	6.2	$40.35	$36.35
132822	3.46	3.00	9.75	7.9	51.79	46.97
132840	3.46	2.88	11.75	9.1	53.95	48.59
132848	5.22	4.75	11.75	10.6	63.95	55.99
132856	5.22	4.75	13.50	11.8	75.05	67.92
132864	8.56	8.00	13.50	15.4	94.95	84.95

Cabinet Mounting Plate for 19" Cabinet



- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H

Part No.	Description	1	10
149500	Cabinet mount plate	$39.95	$35.95

USB 2.0 Cables





- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229594	6' cable clear	$1.65	$1.49	$1.39
229607	10' cable clear	1.89	1.75	1.65

USB-A Male to USB-A Female

Part No.	Description	1	10	25
222068	6' cable black	$1.65	$1.49	$1.39
222076	10' cable black	1.89	1.75	1.65
222084	15' cable black	2.85	2.59	2.49

Many more USB cables on page 86

19" Rack Mount Drawer with Keyboard and Trackball



- Occupies a single unit (IU) rack space
- PS/2 connector for keyboard and trackball
- Weight: 18 lbs.
- Size: 19.0"W x 13.0"D x 1.75"H

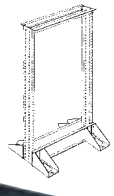
Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644	Rack mount KB drawer⊕	$249.99	$234.99

Relay Rack & Rack Panels

Rack:

- Black powder coat finish
- 10-32 threaded holes
- Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base): 19.8"W x 15.3"D x 84.0"H
- Dimensional weight: 70 lbs.



19" Wide Panel:

- 10-gauge black steel



Rack screw:

- 10/32 screw; 5/8" phillips head (50 ea.)

Part No.	Description	Height	1	10
133751	Relay rack	84"	$159.95	$147.00
229489	Rack panel (2U)⊕	3.50"	10.95	10.35
229500	Rack panel (4U)	7.00"	14.85	14.23

More products at www.Jameco.com

Bidirectional Non-Buffered Serial-to-Parallel Converter



- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Stop bits: 1 or 2 • Baud rate: 300 to 38,400bps
- Weight: 0.8 lbs. • Size: 4.0"L x 2.5"W x 1.0"H
- One-year warranty

Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935	Bi-converter	$59.94	$53.94	$47.88

ATEN Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer



- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable • Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H • Weight: 0.8 lbs.
- One-year warranty

Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983	Serial/parallel converter	$48.49	$44.95

ATEN Short Haul Modem



- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)

Part No.	Description	1	10	25
116581	Short haul modem⊕	$29.95	$25.46	$19.10

ATEN RS-232 to RS-485/422 Bidirectional Converters



Now a European Version!

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Input: 110VAC • Weight: 0.9 lbs.
- One-year warranty

197931: Port powered (power adapter not included)
- Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

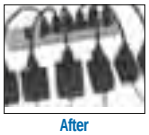
Part No.	Description	1	10
117701	RS-232-485/422⊕	$59.69	$53.51
197931	RS-232-485/422⊕	69.95	52.45
122956	RS-232-485/422 OPT ISO⊕	124.79	93.59

JAMECO ValuePro Power-Strip-Saver Single Outlet and "Y" Double Outlet

Get full use of your power strips and UPS outlets with our high quality power strip outlet saver. You can use all the outlets on your surge suppressors, UPS, and outlet strips. Just plug a bulky power adapter into this cable and free up your other outlets.

- Length: 1 ft. • Cord type: SVT


Before
4 Outlets Blocked


After
Every Outlet is Usable


"Y" Strip Saver
For extra adapters

A JAMECO EXCLUSIVE

Part No.	Description	1	10	50
199778	AC power cord (black)	$2.05	$1.86	$1.67
208347	"Y" power-strip-saver (2 ft.)	5.95	5.63	5.42

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Computer

SONY® Color CCD Camera

Sony Chipset



- 1/4" Sony super HAD CCD sensor
- NTSC system w/510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB • 330 TV lines
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω

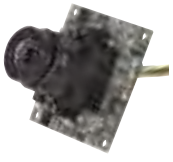
Requires: 12VDC @ 120mA power supply (recommend P/N 163993, pg 168)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436	Enclosed color camera	$179.95	$161.95

Black & White Camera with Lens

EIA Format



- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Scanning system: 2:1 interlace
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 167)
- Video output: 1Vp-p, composite video 75Ω
- Power consumption: 110mA • FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)
- S/N ratio: 46dB • Size: 1.3"L x 1.3"W x 1.2"H

Part No.	Description	1	10
171029	Camera board	$44.95	$40.45

Color Camera with 8mm Lens



- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω • Vertical freq.: 60Hz
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable • S/N ratio: 52dB
- Auto-tracing white balance • 2X digital zoom
- Power requirements: 12VDC @ 150mA

Part No.	Description	1	10
395461	Color camera	$103.35	$93.89

Color Interline Camera

Water resistant with mounting bracket



- EIA format
- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω • 6mm lens/F2.0
- S/N ratio: 40dB • FOV: 530
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017	Color camera	$99.95	$89.95

Color Digital CCD IR Dome Camera

NTSC format



- Image sensor: inch interline transfer CCD
- Auto-electronic shutter
- Auto white balance
- Scanning system: 525 lines, 60 fields/sec
- Electronic shutter: 1/60 to 1/80,000 sec.
- Video output: 1Vp-p video at 75Ω
- S/N ratio: better than 42dB • 522(H) x 492(V)
- 420 TV line resolution • 1 lux w/ F1.2
- Power source: 12VDC • Size: 3.4" Dia. x 3.7"H

Part No.	Description	1	10
1581370	Dome camera	$117.65	$111.76

Color Digital CCD Dome Camera with 0.01 LUX Illumination

NTSC format



Provides color video surveillance in low light conditions thus eliminating the need for traditional IR illumination. It utilizes any available bit of light and maximizes its effectiveness, providing a viewable picture throughout the image area.

- Image sensor: 1/3" Sony CCD
- 420 line horizontal resolution
- Auto-electronic shutter/gain control, white balance/ backlight compensation
- Power: 12VDC @ 110mA • 510(H) x 492(V)
- Video output: 1Vp-p, 75Ω • 4mm lens

Part No.	Description	1	10
1581396	Dome camera w/ illumination	$220.55	$206.05

Mini Wireless Color Camera



This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150' (unobstructed) range and 9-volt battery power, you can now add video capability to a world of hobby applications.

Part No.	Description	1	10
249025	Wireless color camera	$89.95	$80.95

DigiVue™ Digital Surveillance System



- Input signal: 4 video, 1 audio channel
- Watermark time & date stamp
- Display/record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/VDRAM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium® 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No	1	10
639568	EDV-XV425	$94.95	$85.46

More Security Products Available at www.Jameco.com

2.4GHz Wireless Audio/Video Transmitter



- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 Watt
- Video input: 1Vp-p
- Audio input: 2Vp-p

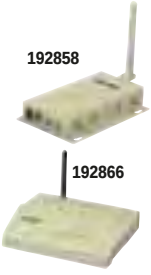
Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

179864:

- For use with 2.4GHz cameras, transmitters and receivers • Gain: 3dB; unidirectional

Part No.	Description	1	10
289852	Wireless audio/video tran.	$199.95	$179.95
179864	2.4GHz SMA RF antenna	13.65	10.24
179872	Wireless extension cable	10.99	9.89

4-Channel 2.4GHz Wireless Audio/ Video Receiver & 10mW Transmitter



- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.

Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection & freeze channel
- Mute and alarm trigger port • Weight: 1.8 lbs.

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858	4-channel transmitter	$94.45	$85.05
192866	4-channel receiver	124.95	112.95

DigiVue™ Complete Digital Video Recording Security System



EDV-XV425 Video Capture Card:

- 60fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-ch video and 1-ch audio
- Supports real time WAN/LAN and internet monitoring

Includes: PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software w/ drivers, four 50' video/ power cables and 4 power supplies for the camera

Part No.	Product No	1	10
639584	EDV-XV425 kit	$449.99	$405.00

Cable Assemblies



75Ω RG59/U BNC – BNC

Part No.	Length	1	10	50	100
262730	25 ft.	$9.95	$8.96	$7.17	$5.38
262748	50 ft.	17.05	16.25	15.45	14.69

75Ω BNC – BNC and Jack-to-Jack

Part No.	Length	1	10
1581353	25 ft.	$8.75	$7.88
1581388	50 ft.	24.49	22.04
1581409	100 ft.	28.59	25.71

For additional BNC Cables see page 116.

Computer

Color Code Legend: New Sale Lower$ QtySave

Sizes shown are for relative comparisons.

See www.Jameco.com for accuracy and complete specifications

Color Code Legend: New Sale Lower$ QtySave

For more DMMs visit www.Jameco.com

Sizes shown are for relative comparisons.

DMMs

Mastech M300
- 2000 count
- 6 functions
- Extremely low cost



P/N 220812
$9.65

Velleman DVM850BL
- 2000 count
- 6 functions



P/N 355207
$16.75

Jameco JE110
- 2000 count
- 6 functions
- 100µV resolution

Quantity SAVE



P/N 119212
$19.95

BP-1562
- 2000 count
- 6 functions

Jameco EXCLUSIVE



P/N 318781
$9.95

Mastech MAS830L
(220759)
- 2000 count
- 7 functions
- Continuity test

Mastech MAS838
(220741)
- 2000 count
- 8 functions
- Temperature



P/N 220759
$15.49

P/N 220741
$19.95

Mastech MY64
- 2000 count
- 11 functions
- Temp./frequency



P/N 220775
$42.69

Mastech MY68
- 3260 count
- 12 functions
- Autorange
- Analog bargraph



P/N 220767
$47.95

Extech EX330*
(645626)
- 4000 count
- 9 functions
- Non-contact AC voltage detector

Best seller

Extech EX430
(1581177)
- 4000 count
- True RMS
- Auto ranging



P/N 645626
$47.45

P/N 1581177
$79.95

Extech DM110
- 4000 count
- 10 functions
- Autorange



P/N 692502
$29.99

				Basic Measurement Functions											Test Functions				Special Functions						Pricing	
Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	1	5
220812	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	✔		✔						4.7 x 2.7 x 0.8	220812	$9.65	$7.24
355207	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	355207	16.75	15.92
119212	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					4.8 x 2.6 x 1.0	119212	19.95	14.96
318781	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	318781	9.95	9.45
220759	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	220759	15.49	14.99
220741	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	220741	19.95	15.96
220775	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—		2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	220775	42.69	39.09
220767	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—		32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	220767	47.95	45.49
645626	Extech EX330*	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—		.001 - 10M	-50 to 1000	-58 to 1832	✔		✔		✔				5.7 x 2.9 x 1.6	645626	47.45	45.15
1581177	Extech EX430	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 20	.1µ - 20	.1 - 40M	.1n - 100µ	—		.001 - 10	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1581177	79.95	77.95
692502	Extech DM110	4000	10	100µV	0 - 500	0 - 500	0 - .40	0 - .40	400 - 40M	0 - 200µ	—		9 - 10M	—	—	✔		✔						4.3 x 2.2 x 0.5	692502	29.99	27.99
211650	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—		10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	211650	39.95	37.95
117373	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔		7.7 x 3.6 x 1.6	117373	89.95	71.90
137462	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	137462	135.99	122.39
1581185	Extech MP510†	5000	7	10µV	50m - 1000	50m - 1000	500µ - 10	500µ - 10	50 - 50M	50n - 9999µ	—		0.01 - 125k	—	—	✔		✔			✔	✔		7.4 x 3.4 x 1.4	1581185	139.95	135.99
1537328	Fluke 115†	6000	9	100µV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	10.9 x 6.3 x 2.2	1537328	163.06	154.91
1537336	Fluke 117*†	6000	9	100µV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	10.9 x 6.3 x 2.2	1537336	193.69	185.91
192655	Fluke 175	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655	231.85	227.23
185535	Fluke 179†	6000	13	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535	252.05	247.90
222527	Wavetek/MM 37XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40		100 - 10M	—	—	✔	✔	✔		✔	✔		✔	7.8 x 3.6 x 2.4	222527	129.49	122.99
318764	BenchPro BP-1415	20,000	8	10µV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20µ	—		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764	73.49	66.15
182043	Fluke 189	50,000	13	1µV	50m - 1000	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔		✔		✔	✔		✔	8.0 x 3.9 x 2.0	182043	453.25	444.19
1581214	Protek 6800	80,000	10	1µV	8 - 1000	80m - 750	80m - 10	80m - 10	80 - 80M	1n - 100µ	—		1K - 8M	-50 to 1372	-58 to 2502	✔		✔			✔	✔	✔	7.5 x 3.5 x 1.5	1581214	193.95	189.95

* with non-contact voltage detector (100-600VAC range) † with backlight

Test/Tools

Extech MN26
- 4000 count
- 11 functions
- Autorange
- Temp./frequency



P/N 211650
$39.95

BP-1949
(117373)
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency

BP-1737
(137462)
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency
- True RMS

Jameco EXCLUSIVE



P/N 117373
$89.95

P/N 137462
$135.99

Extech MP510
- 5000 count
- Backlit LCD/ auto power off



P/N 1581185
$139.95

Fluke 115
(1537328)
- 6000 count
- Backlit
- True RMS

Fluke 117
(1537336)
- 6000 count
- Backlit
- True RMS
- Non-contact voltage



P/N 1537328
$163.06

P/N 1537336
$193.69

Fluke 175
(192655)
- 6000 count
- 12 functions
- Autorange
- Frequency

Fluke 179
(185535)
- 6000 count
- 13 functions
- Autorange
- Temperature
- Frequency



P/N 192655
$231.85

P/N 185535
$252.05

Wavetek/MM 37XR
(222527)
- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



P/N 222527
$129.49

BP-1415
- 20,000 count
- 8 functions
- Capacitance

Jameco EXCLUSIVE



P/N 318764
$73.49

Fluke 189
- 50,000 count
- 13 functions
- Data logging
- Temp./frequency



P/N 182043
$453.25

Protek 6800
- 80,000 count
- 10 functions
- RPM, DBM function
- Square wave generator



P/N 1581214
$193.95

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

Passive-Component Digital LCR Meter



- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- **Inductance ranges:** 2000µH to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- **Resistance ranges:** 20Ω to 10MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678	LCR Meter	$178.95	$160.95
189238	9VDC @ 300mA adapter	5.35	4.52

Mini Analog Multimeter



- Easy to read analog display
- 5% full scale accuracy
- Battery test on 9V and 1.5V batteries
- 6 functions including battery and decibel test
- **DC current ranges:** 0.5mA to 250mA
- **DC voltage ranges:** 2.5V to 300V
- **AC voltage ranges:** 10V to 300V
- **Resistance ranges:** 10KΩ to 1MΩ
- Size: 6.1"H x 3.5"W x 1.9"D • Weight: 0.5 lbs.

Includes: Test leads, protective holster and 1.5V AA battery

Part No.	Product No.	1	5
1536843	38073	$14.59	$14.24

400A AC/DC Clamp Meter/Multimeter



- Auto ranging with auto power-off
- 0.9" (23mm) jaw size
- Continuity beeper and diode test
- Overload protection
- Over range and low battery indicators
- One touch "Auto Zero"
- 4000 count LCD display
- Data hold freezes current reading on display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- **AC/DC current ranges:** 40A–400A; 0.01A max. res.
- **Capacitance ranges:** 40nF–1000µF; 0.01nF max. res.
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. res.
- **Resistance:** 400Ω–40MΩ; 0.1Ω resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. res.
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. res.
- **Temperature ranges:** -58˚ to +1830˚F (-50˚ to +1000˚C); 1˚ max. resolution

Includes: Test leads, case, and 2 AAA batteries

Part No.	Product No.	1	5
374070	MA220	$89.09	$80.18

1000A Clamp Meter with IR Thermometer



- Non-contact IR temperature measurements with laser pointer
- Peak hold captures inrush current and voltage measurement
- 1.7" (43mm) jaw opening for conductors up to 750MCM
- 4000 count backlit dual display
- Data hold and min./max.
- Auto ranging with manual range button
- Auto power off
- **IR temperature ranges:** -58˚F – 518˚F (-50˚C – 270˚C)
- **AC/DC current ranges:** 0.1A – 1000A
- **AC/DC voltage ranges:** 0.1mV – 600V
- **Resistance ranges:** 0.1Ω – 40MΩ
- **Capacitance ranges:** 0.001nF – 40,000µF
- **Frequency ranges:** 0.001kHz – 4kHz
- **Type K temp. ranges:** -4˚F – 1400˚F (-20˚C – 760˚C)
- Continuity and diode test • True RMS
- Size: 10.6"L x 4.3"W x 2.0" thick

Includes: Test leads, 9V battery, type K probe, and belt holster

Part No.	Product No.	1	5
1585881	EX830	$179.95	$175.95

50mV/50A Current Shunt



- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A

Part No.	Description	1	10	25
162309	Current shunt ⊕	$28.19	$25.41	$22.54

2000-Count Multimeters



- Resolution: 100µV max.
- **DC voltage ranges:** 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.

160830: 3 1/2-Digit
- **DC/AC current ranges:** 20µA – 10A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

203801: 3 1/2-Digit
- **DC/AC current ranges:** 20µA – 2A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

421542: 3 1/2-Digit
- **DC/AC current ranges:** 200µA – 2A
- **AC voltage ranges:** 200mV – 750V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2mS – 200nS
- **Frequency ranges:** 20Hz – 50kHz

✥ Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830	8010A✥	$199.95
203801	8012A✥	199.95
421542	8050A✥	219.95

EZ DIGITAL 20,000-Count True-RMS Benchtop Multimeter



- 4½-digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 750V
- **DC/AC current ranges:** 2mA – 10A
- **Resistance ranges:** 200Ω – 20MΩ
- **Frequency** measurement up to 200kHz
- Data hold, diode check, transistor h_{FE} measurement
- Continuity check with beeper
- Size: 9.9"L x 9.8"W x 3.6"H
- One-year manufacturer's warranty
- Weight: 6.1 lbs.

Part No.	Product No.	1	10	25
132564	DM441	$269.95	$256.49	$243.49

Velleman 3-in-1 Lab Center

Your space-saving lab solution! Everything you need in one unit.



Digital Multimeter:
- 3-1/2 backlit LCD
- Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- Data hold function and buzzer
- AC voltage ranges: 200V to 600V
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:
- Selectable output voltages: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak)
- LED overload and power indicators
- On/off switch

Soldering Station:
- 48W ceramic heating element with temperature sensor
- 24V soldering iron
- Temperature range: 150˚C to 450˚C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Product No.	1	5
695025	LAB1	$172.95	$163.97

For Soldering Supplies see pages 198-202



We're Listening to Your Requests

Email us 24/7 at **NewProducts@Jameco.com** with suggestions for products you'd like to see in future catalogs.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

EXTECH



- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC_{RMS} max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1µS to 5S
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data • Resolution: 100µV max.
- **DC voltage ranges:** 0.001V to 1000V
- **AC (TRMS) voltage ranges:** 0.001V to 750V
- **Resistance ranges:** 1Ω to 5MΩ
- **Frequency ranges:** 0.01Hz to 10MHz
- **RPM ranges:** 240 to 60,000 RPMS
- Size: 3.5"W x 1.8"D x 7.7"H

Includes: Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster and carrying case

Part No.	Product No.	1	5
645651	381295	$427.49	$406.15

20MHz Handheld Oscilloscope with Digital Multimeter



NEW

- 20MHz analog bandwidth w/ 2 vertical inputs
- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1MΩ ±1%; 20pF ±1.3pF
- Probe attenuation: x1 and x10
- Horizontal sweep rate: 50ns/div to 50s/div
- Acquisition system: sample, peak detect, envelope, average
- Waveform interpolation: dot, linear, sine, and pulse
- Trigger sensitivity: 0.5V/div (DC to 5MHz)
- Trigger type: edge, pulse width, video
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- **DC voltage range:** 600mV to 1000V
- **AC voltage range:** 6V to 600V
- **Resistance range:** 600Ω to 60MΩ
- **Capacitance range:** 60nF to 300µF
- Diode, continuity, high current and temperature test
- Size: 8.3"H x 4.2"W x 2.2"D

Power requirements: 9VDC @ 1A power supply or 7.2V NIMH battery pack

Includes: Power adapter, manual, scope probe, test leads, holster, USB cable and software

Part No.	Product No.	Price
1918999	Protek 820	$1,179.95

20MHz Handheld Digital Oscilloscope & Multimeter

METEX®



- 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer
- **Oscilloscope**: 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5µs/div; 20 MS/s sampling rate
- **Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- **Digital multimeter:** 3¾-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40µA-400mA; DC current 400µA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- **Frequency counter:** 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; $35V_{RMS}$/42V-P/60VDC max. input
- Oscilloscope probes: Use P/N 22892 or 216047, pg 188
- Battery required for portable use
- Size: 10.0"L x 5.0"W x 2.0"H
- Weight: 9.2 lbs. • One-year warranty

Includes: 5VDC @ 3A power supply, power cord, DMM test leads, manual, holster and case

Part No.	Description	1	5
162430	20MHz digital scope	$823.95	$787.90

Fluke 124 Industrial Scopemeter®



FLUKE

- 8-bit resolution • Rise time: <8.75ns
- Vertical frequency response (DC coupled): DC to 40MHz
- Vertical frequency response (AC coupled): <10Hz
- Input impedance: 1MΩ / 12pF
- Sensitivity: 5mV to 500V/div
- Display modes: A, -A, B, -B
- Scope modes: normal, roll, single
- Equivalent sampling range: 10ns to 500ns/div
- Max. vertical move: ±4 divisions
- Horizontal move: 10 divisions
- Screen update: free run, on trigger
- Source: A, B, EXT • Positive, negative slope
- Display modes: normal, smooth, envelope
- Peak modes: maximum, minimum, or peak to peak
- **DC voltage ranges:** 500mV to 1250V with full scale reading of 5000 counts
- **True RMS voltage ranges:** 500mV to 1250V with full scale reading of 5000 counts
- **Frequency ranges:** 1Hz to 70MHz with full scale reading of 10,000 counts
- **Current ranges:** 500mA to 1250A
- **Resistance ranges:** 500Ω to 30MΩ with full scale reading of 3000 to 5000 counts
- **Capacitance ranges:** 50nF to 500µF with full scale reading of 5000 counts • Continuity & diode testing
- Size: 9.1"H x 4.5"W x 2.0"D

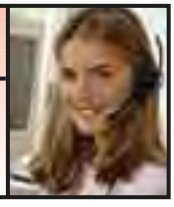
Includes: External pwr supply, probes, manual and CD-ROM

✥ Refurbished = Backed by Jameco

Part No.	Product No.	Price
1586138	FLUKE 124-003 ✥	$1,095.00

Committed to You

We're committed to providing you with the best service in the industry.



20MHz Industrial Scopemeter®

FLUKE

Digital Scope, 15-Function Digital Multimeter & Recorder



The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

✥ Refurbished = Backed by Jameco

Part No.	Description	Price
162747	Fluke 123-003 w/o software ✥	$995.05
203131	Fluke 123-003 w/ software ✥	1,099.95

2-Channel USB PC Oscilloscope



The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz give this unit all the power you need.

velleman

Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz
- Sampling frequency for repetitive signals: 1GHz

Spectrum analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

Transient recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Description	1	5
695017	PCSU1000	$443.79	$399.41

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

velleman



- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 168)

Oscilloscope:

- Time base: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer: Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, parallel cable and CD-ROM

Part No.	Product No.	1	5
200184	PCS500AU	$478.95	$429.95

20MHz 2-Channel Analog Oscilloscope



- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.

Includes: Two (X1/X10) test probes, power cord & manual

Part No.	Product No.	1	5
685311	SK0200	$399.95	$379.95

20MHz Dual Trace Oscilloscope with Alt-Mag



- 3.15" x 3.94" CRT with internal graticule and scale
- Vertical amplifier: 5m/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/Div to 0.5s/Div in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Size: 12.5"W x 15.75"D x 5.1"H
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p • Weight: 16 lbs.
- Input voltage: 120VAC or 220VAC @ 50/60Hz

Part No.	Prod. No.	1	5	10
1536801	PROTEK 6020	$425.99	$419.99	$399.99

30MHz Dual Trace Oscilloscope w/ LCR Component Tester



- 3.15" x 3.94" CRT with graticule and scale
- Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)
- Horizontal sweep: 100ns/DIV to 0.2s/DIV in 20 steps (1-2-5 sequence)
- Triggering: external trigger input – 1MΩ ±5% impedance; maximum input voltage – 4-p)
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.2"W x 16.45"D x 5.1"H • Weight: 14.3 lbs.

Part No.	Product No.	1	5	10
1536819	PROTEK 6030	$463.05	$453.99	$446.99

INSTEK 150MHz 2-Channel Digital Oscilloscopes

Color and Monochrome with RS-232/USB/ Parallel Interfaces



229366

- Bandwidth (-3dB): 150MHz
- 15 memory settings
- Real-time sample rate: 100MS/s max. on each channel; equivalent: 25GS/s
- Record length: 125k/CH
- 2 channels with 8-bit vertical resolution
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div – 5V/div
- Time base range: 1ns/div – 10s/div
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz – 150MHz
- Weight: 9.3 lbs.
- Size: 12.2"W x 10.0"D x 5.6"H • Two-year warranty

229358: Monoch. w/ RS-232/USB/parallel interface
229366: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358	GDS-820S	$1,259.95	$1,196.95
229366	GDS-820C	1,439.95	1,367.95

17MHz Logic Probe



- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high and low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
149930	Logic probe	$37.55	$33.85	$30.35

Logic Pulser



- Compatible with TTL, DTL and CMOS ICs
- 1MΩ sync input impedance
- "One shot" or continuous 5Hz pulse train
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
24601	Logic pulser	$29.19	$26.28	$23.65

Modular Oscilloscope Probes



22892 216047 236777

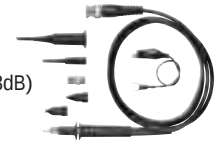
- Hook and pointed probes
- **216047/236777**: with IC test ground cover and spring ground contact
- Length: 5' • Maximum input voltage: 600V
- Alligator clip ground wire • BNC male connector

Part No.	Bandwidth (±3dB) Attenuation x1	Bandwidth (±3dB) Attenuation x10	Impedance (R/C)* Attenuation x1	Impedance (R/C)* Attenuation x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22892	LF101E♻	$29.94	$26.96	$24.26
216047	HF-9100	34.95	29.95	26.95
236777	HP-9250	45.95	43.39	37.25

Pomona 100MHz Probe Set



- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (-3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10~60pF • 48" cable

Part No.	Product No.	Description	1	10
156451	4550B	Probe kit	$52.45	$50.38

Probe Master Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.



174473



212257

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473: 7-piece kit
212257: 25-piece kit

Part No.	Product No.	1	10
174473	4901-02 (150MHz)	$44.05	$42.62
212257	4915A (250MHz)	151.45	143.92

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

Oscilloscope:

- 6" rect. high res CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: w/ built-in 60mHz auto-detect counter

Function generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt.: 20Vp-p (no load), 10Vp-p (w/50Ω load)



1536886 2 Instruments in 1 1586200

Part No.	Product No.	1	10
1536886	SK0404	$529.95	$499.95
1586200	SK0409	789.95	709.95

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Test/Tools

Wire Tracer/Tone Generator Kit



- Typical applications: identifies wire pairs, trace LAN and telephone cables, check continuity, test telephone polarity, F type connector for testing 75Ω coaxial video cables
- Transmitter with output cables terminated in modular RJ11 and RJ45 phone connectors
- Injects traceable signal into cables, checks telephone lines, and performs continuity checks
- Adjustable sensitivity control improves wire identification and eliminates false detection
- Non-contact probe audibly identifies selected wire/cable
- Traces wires from source to termination
- Size: Probe – 5.8"L x 1.1"W x 1.1"D; Generator – 4.1"L x 2.6"W x 0.9"D

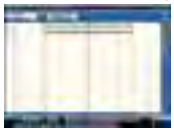
EXTECH INSTRUMENTS

Includes: Tone probe and tone generator with RJ11 and RJ45 connectors, adaptor with F type coaxial connector, alligator clips, 4 LR44 batteries, 9V battery and carrying case

Part No.	Product No.	Price
692511	TG30	$48.99

100MHz Logic Analyzer USB Interface





DigiView™ is a 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
256866	USB logic analyzer	$498.95	$474.09
256874	Cable replacement ⊕✪	29.95	24.80
256882	Grabber clip set (10)✪	29.95	28.49

1.5GHz Frequency Counter

2 Channels



- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Gate time: 0.01s, 0.1s, 1s, 10s
- 9-digit green LED display
- Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
- Resolution: 0.1nHz to 10Hz (A input); 0.1Hz to 100kHz (B input)
- Frequency, period, totalize, RPM
- Size: 10.3"L x 10.0"W x 3.2"H
- Weight: 5.3 lbs. • One-year warranty

EZ DIGITAL

Includes: Fuse, manual and BNC cable

Part No.	Product No.	1	5
55790	FC-7150	$284.95	$259.95

3GHz Universal Counter



- High accuracy frequency measurements up to 3GHz
- Measures frequency, time interval, ratio, and totalize
- Large, bright 8-digit LED display with gate time and function indicators
- Frequency measurement: input A DC coupled 0.1Hz to 10MHz, AC coupled 10Hz to 100MHz with gate times of 0.01s to 10s in 4 decades; input B DC coupled 0.1Hz to 10MHz, AC coupled 10Hz to 100MHz; Freq C 100MHz to 3GHz with gate times of 0.0128s, 0.128s, 1.28s, and 12.8s
- Input voltage: 100/120/220/240V @ 50-60Hz
- Power consumption: 20W
- Size: 10.0"W x 11.0"D x 4.0"H • Weight: 5.3 lbs.

Part No.	Product No.	1	5
1581206	B3110	$427.95	$417.25

10MHz Sweep Function Generator w/ Frequency Counter

Function Generator METEX®



- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 1Hz to 10MHz
- Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load
- Output impedance: 50Ω ±10%
- Offset variable range (max.): ±10VDC at open load
- Frequency sweep time: 20ms to 2s

Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
- Input sensitivity: channel A: 20mV_{RMS} sine wave or 100mVp-p; channel B: 40mV_{RMS} for 20MHz to 1.3GHz; 70mV_{RMS} for 1.3GHz to 2.7GHz
- Maximum input voltage: ch. A: 35Vp-p; ch. B: 3Vp-p
- Input impedance: channel A, 1MΩ; channel B, 50Ω
- Data logging and graphic software
- Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.

Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
221911	10MHz/2.7GHz	$417.95	$403.34

3MHz Function Generator with Positive and Negative Pulses



- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges • Size: 10.5"W x 11.2"D x 3.9"H
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.

Part No.	Product No.	1	5
685329	SK3000	$209.79	$199.35

More products at www.Jameco.com

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator



229251

- Waveforms: sine, triangle, square, TTL, and CMOS output; 229260 has ramp
- Frequency ranges: **229251:** 0.2Hz – 2MHz in 7 ranges; **229260:** 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load
- Voltage controlled frequency function
- Variable DC offset control

INSTEK



229260

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs.
- Two-year warranty

229251: • 4-digit LCD display

- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz
- Size: 9.1"W x 11.0"D x 3.7"H

229260: • 6-digit LCD display

- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251	GFG-8020H	2MHz	$259.95	$246.95
229260	GFG-8216A	3MHz	279.95	251.99

5MHz Function Generator



- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty

BK PRECISION

Part No.	Product No.	1	5
160469	BK4011A	$339.29	$322.34

Function Generator Kit

Sine, Triangle and Square Wave



Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.

- 21-piece kit includes: chip, components, PC board, hardware
- Intermediate Level
- Size: 4.1"L x 1.5"W

Requires: 12VDC supply or ±6VDC split supply

Part No.	Cross Ref. No.	1	10
20685	JE2206	$24.95	$22.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Input voltage: 85-264VAC @ 47-63Hz
- Output terminals
- Large digit backlit display
- Fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H • Weight: 1.2 lbs.



Part No.	Product No.	1	10
301971	PSU130	$88.99	$85.00

30 & 54-Watt Digital Benchtop Power Supplies

- Single output
- Adjustable voltage output: 645600 = 0-30V; 681221 = 0-18V
- Adjustable current output: 645600 = 0-1A; 681221=0-3A
- Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D



645600

Part No.	Product No.	Wt. (lbs.)	1	5
645600	382200 (30W)	4.4	$128.69	$115.82
681221	382202 (54W)	6.6	138.95	134.95

Dual Tracking, Triple Output DC Power Supply

Four Mode 60V/1.5A DC Regulated

- Linear power supply
- Four modes of operation: tracking, independent, series and parallel
- Dual 4 digit LED displays
- Input voltage: 110 or 220VAC
- Voltage output range: 0 to 60V
- Current output range: 0 to 1.5A
- Constant voltage and current mode
- Overload and short-circuit protection
- Dual independently or simultaneously adjustable 0V to 60V and 0A to 1.5ADC outputs
- Variable auxiliary metered output (1.5V to 6.5V) for power circuits of up to 5A
- Outputs of up tp 120VDC in series mode or 3ADC in parallel mode • Size: 15.9"W x 9.8"D x 5.3"H



Part No.	Product No.	1	10
1585928	382285	$497.99	$487.99

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H



Part No.	Description	1	5
489184	DRP-303D	$189.95	$179.95

45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 ±10% VAC

Analog display power supplies
- Accuracy: 2.5%

Digital display power supplies
- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

Quantity SAVE



301920



207618



207706



211693

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	$119.94	$113.94
301866	HY3003D ⊕	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	134.96
207618	HY3005C ⊕	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	169.55	161.07
207626	HY3010C ⊕	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	359.94	269.96
207693	HY5002 ⊕	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	227.94	170.95
301938	HY3005 ⊕	2-Digital LED	315	0-30/5	10.5 x 6.5 x 14.3	10	219.95	209.95
301911	HY3005D ⊕ ✪	2-Digital LCD	150	30/5	5.4 x 6.2 x 11.5	13	224.95	213.70
207706	HY5003 ⊕	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	267.45	200.58
207600	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	339.95	322.94
207635	HY3010 ♻	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	439.95	335.50
207686	HY3020 ♻	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	555.35	499.82

Multiple Output

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211722	HY3002-2 ♻	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	$269.95	$209.52
211705	HY3002D-2 ⊕	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	202.46
211693	HY3003D-2 ♻	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	318.95	285.95
211730	HY3003-2 ⊕	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	224.96
211713	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	239.96
211684	HY3003D-3 ⊕	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301947	HY3005D ♻	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	384.95	365.70
301955	HY3005D-3 ♻	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	406.95	386.60
301962	HY5003-2 ⊕	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	254.96

150-Watt Power Supply

50VDC @ 3A

- Adjustable voltage/current outputs • Constant voltage & current operation
- Input voltage: 110VAC @ 60Hz • 3A @ 115V fuse
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- One-year warranty



Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
163723	50VDC @ 3A	Dark gray	9.0 x 4.75 x 7.5	12.3	$146.85	$139.49	$132.49

150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage • Built-in fan
- Voltage and current panel meter • Constant voltage and current operation

175265: 15VDC @ 10A, 150-Watt
- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Overvoltage, overcurrent, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning



175265



175257



175249

175257: 15VDC @ 15A, 225-Watt
- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- LED indicator for power and warning
- Over-voltage protection @ 16.5V
- Short-circuit protection @ 27.5A
- Cigarette lighter plug for current output

175249: 50VDC @ 5A, 250-Watt
- 5A @ 250V fuse • Input voltage: 110VAC @ 50-60Hz • Isolated ground

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
175265	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	$163.45	$147.10	$141.65
175257	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	159.95	143.95	129.56
175249	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	195.65	185.35	176.64

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A



197991

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Constant voltage or current
- Current limiting indicator
- Displays of both voltage and current
- Overload and short-circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.

Part No.	Description	1	10
197991	Digital DC	$197.99	$186.19
197982	Analog DC	168.95	151.95

200W Programmable Switching Power Supplies with PC Interface



- Voltage regulation: 10mV load; ≤0.05% line
- Current regulation: 5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV$_{RMS}$; ≤10mA$_{RMS}$
- Overvoltage/overcurrent/ overpower/overtemperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. • Two-year warranty

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323	PSP-2010	0-20V @ 0-10A	$349.95	$332.45

200W Programmable DC Power Supply



- High resolution programmable output and two fixed outputs of 5V and 3.3V
- Selectable constant voltage or current modes
- Auto output of up to 200 steps with programmable voltage, curent and time
- Programmable overvoltage/overcurrent protection
- Storage/recall memory for 200 test set-ups
- Dual high contrast LCD display with backlight
- Dual output terminal for source & monitor connections
- Size: 12.2"W x 9.9"D x 5.3"H

Part No.	Product No.	1	10
1585901	382280	$597.99	$587.65

Infrared Thermometer



The Fluke 65 provides quick non-contact temperature measurement in a compact case surrounded with a protective holster. The ideal tool for measuring surface temperatures of rotating, hard-to-reach, electrically live, or dangerously hot targets.

- Large dual display LCD display
- Laser beam provides easy targeting
- Store and recall any single temp.
- Temp. range: -40˚ to 500˚C
- Resolution: 0.1˚ up to 200˚, 1˚ over 200˚
- Optical resolution: 8:1 distance to spot size ratio

Includes: Soft carrying case, batteries & instructions

Part No.	Product No.	NEW	Price
164321	Fluke 65		$269.95

Pocket IR Thermometer with Laser Pointer



The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

Best Seller!

- Temperature range: -58˚F to 518˚F (-50˚C to 270˚C)
- Built-in laser pointer to improve aim
- ˚F/˚C switchable • 6:1 field of view
- Fixed emissivity (0.95) covers 90% of surface applications • Pocket size meter
- Visual overrange indicator • Data hold/max hold
- Size: 3.8"L x 2.0"W x 0.9"D

Includes: 2 AA batteries

Part No.	Description	1	5
219361	Pocket IR thermometer	$59.95	$56.99

Mini IR Thermometer



- Economical mini-size design for convenience
- Automatic data hold when measure button is released
- Maximum or minimum hold
- Field of view: 1:1
- Temperature range: -31°F to 446°F (-35°C to 230°C)
- Lock feature for continuous scanning
- Maximum resolution: 0.1°F/°C
- Fixed emissivity covers 90% of surface applications
- Auto power off
- Size: 3.0"L x 1.6"W x 0.7"D

Part No.	Product No.	1	5
1537299	IR100	$29.25	$28.49

Digital Psychrometer

External Probe Temperature Measurements for Differential



Unique sensor cap design twists to closed position for protection during storage.

- Simultaneous display of %RH, temp. and dew point or web bulb or probe temp.
- Temp. ranges: (internal) -4°F to 122°F (-20°C to 50°C); (external) -4°F to 158°F (-20°C to70°C)
- Temp. ranges: -90.4°F to 122°F (-68°C to 49.9°C)
- Wet bulb measurement without slinging
- Calculates T1-T2 differential (air temp. minus external probe temp. using optional probe)
- Data hold freezes current reading on display
- Switchable °F/°C temp. reading • Auto power off
- Min./max. readings • Size: 7.0"L x 1.9"W x 1.0"D

Part No.	Product No.	1	10
1581142	RH300	$89.95	$86.59
1581151	TP890 (optional thermistor temperature probe)	15.95	14.99

Moisture Meter



- Adjustable pins for wood and other porous building materials
- Moisture content: 0 - 100
- Temp. range: 32°F to 122°F (0°C to 50°C)
- Unique dual LCD displays wall moisture and air temp. simultaneously
- Moisture content displayed on a relative scale • Low battery indication
- Multi-position pins w/ safety storage for replaceable pins • Selectable slide switch
- Data hold to freeze reading on display
- Calibration adjustment for better repeatability
- °C/°F switchable • Size: 7.6"L x 1.8"W x 0.8"D

Includes: 2 AAA batteries, 10 spare pins & pouch case

Part No.	Product No.	1	10
1581134	MO100	$59.95	$57.45

Combustible Gas Leak Detector



- Detects combustible gas – liquefied natural gas (LNG) and liquefied propane gas (LPG) from 500 to 6500ppm
- Convenient compact portable size
- Highly sensitive detection circuitry
- Audible and visual alarm
- LED indicators for gas leakage & static absorption • One switch operation
- Continuous operation up to 4 hours
- Size: 6.5"L x 0.8"Dia.

Includes: 2 AAA batteries

Part No.	Product No.	1	10
1581169	FG100	$59.95	$58.95

Pen DMM with Non-Contact Voltage Detector



- Large 2,000 count LCD display
- Non-contact voltage detection with visible & audible alarm
- Retractable tip for safe storage
- Auto ranging with data hold, range hold, and maximum hold • Auto power off
- Overload & low battery indication
- Non-contact voltage range: 50VAC to 600VAC
- DC voltage ranges: 200mV to 600V with 0.1mV res.
- AC voltage ranges: 200mV to 600V with 0.1mV res.
- Resistance ranges: 200Ω to 20MΩ with 0.1Ω resolution • Diode & continuity test
- Size: 8.2"L x 1.5"W x 1.1"D • Weight: 0.3 lbs.

Includes: Test leads with alligator clips, two 1.5V AAA batteries, and carrying case

Part No.	Product No.	1	5
1537184	381676	$38.99	$37.99

How to Test Almost Everything Electronic



TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

- Size: 7.4" x 9.3" • Weight: 1.3 lbs.

Part No.	Description	1	10
126199	How to Test Everything	$19.75	$17.95

Remote & Local Continuity Tester



- Local continuity checking is accomplished by a flashing LED and pulsating beeper
- Remote continuity is accomplished with the use of a remote probe, it does not tie up two people when identifying and labeling wires and cables
- Two lead, bi-color led (red/green) is used on the remote probe that allows a single user to identify up to three wires or cables at a time
- Drives a 20mA DC current pulse through wires or cables under test for polarity identification

Part No.	Product No.	1	5
1537272	CT20	$29.25	$28.49

Non-Contact AC Voltage & Current Detector



- The only 2-in-1 non-contact AC voltage and current detector
- Non-contact AC current detection range: 200mA to 1000A
- Non-contact AC voltage detection range: 12V to 600VAC
- Current sensor detects current flow through shielded wires, conduit, & metal circuit breakers/junction boxes
- Sensitivity adjustments to increase or decrease sensor trigger threshold
- Audible & visible sense detect indicators
- Detects current flow of 400mA @ 0.2" distance, longer distances for larger current flows
- Size: 7.6"L x 1.2"W x 0.9"D • Weight: 0.2 lbs.

Includes: Four LR44 button type batteries and clip

Part No.	Product No.	1	5
1537192	DVA30	$38.99	$37.99

AC Circuit Breaker Finder/Receptacle Tester



- Quickly locates 110V to 125V AC circuit breaker and fuses
- Variable sensitivity adjustment to pinpoint correct circuit breaker
- Bright red and green LEDs indicate if receptacle is correctly wired for six fault conditions
- Push button GFCI test
- Audible and visual circuit breaker indication
- Eliminates circuit interruptions
- Applications: locate branch circuit breakers without flipping breakers, confirm proper wiring during installations or repairs, test receptacle ground fault operation
- Size: 8.5"L x 2.3"W x 1.5" Thick

Part No.	Product No.	1	5
1585899	CB10	$29.95	$29.29

More Environmental Meters and Testers at www.Jameco.com

Digital Light Meter



- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling • 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs. • One-year warranty

Part No.	Description	1	10
131764	Digital light meter ⊕	$99.95	$89.95

RS-232 Mini-Tester with Status LEDs



Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.

Part No.	Description	1	10	100
26729	Mini-tester	$11.95	$10.76	$9.68

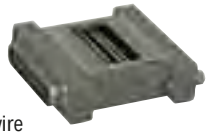
RS-232 Loopback Tester



The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.

Part No.	Description	1	10	100
22728	Loopback tester	$6.95	$5.95	$4.45

Miniature RS-232 Breakout Box for Quick Design Changes



Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.

Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181	Breakout box	$10.74	$9.54	$8.34

Flexible Multilink RS-232 Tester & Breakout Box



Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance. Complete cable "breakout" and reconfiguration. Connectors: DB25 male & DB25 female.

- Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H

Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945	Tester/breakout box	$27.54	$23.94	$21.54

Modular Cable Tester



Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A/568B, token ring, etc.

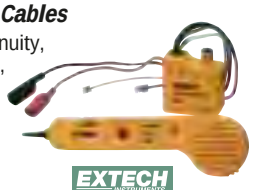
- Check for cable continuity, miswiring, open, short, grounding, and pin configurations • One-year warranty
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710	Modular cable tester	$84.95	$76.49

Tone Generator & Amplifier Probe

For Tracing Wires & Cables



- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002	Tone gen. & amp. probe	$79.99	$71.99

ZapChecker (RF Field Strength Meter)



Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.

- Sensitivity control: 20dB, (10:1) signal control range
- Sensitivity: 45µV
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- Approximately 80 hours of battery life (2 x AA bat.)
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Description	Frequency	1	10
667817	ZC-300	1MHz-8GHz	$398.95	$370.45

RS-232 Line Status Tester

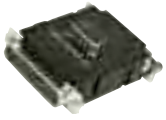
Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.



Part No.	Description	1	10	100
14285	Check line tester	$10.74	$9.71	$8.70

RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts



Part No.	Description	1	10	100
105196	Serial adapter	$9.54	$8.34	$7.14

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female–female cables and Firewire.



Paladin Tools®

- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

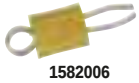
Includes: 9V battery

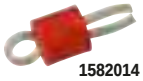
Part No.	Product No.	Price
652480	1577 ⊕	$164.95

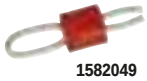
Keystone — Looped Color Coded Test Points

- Phosphor bronze, silver plated wire
- Snap-fit mount
- PBT, UL94V-0


1581986


1582006


1582014


1582049


1582073

Minimum order 5 pieces

Miniature (.300" L, .040" Dia. Mtg. Hole)

Part No.	Product No.	Color	5	50
1581986	5001	Black	$.133	$.124
1581994	5002	White	.157	.147
1582006	5004	White	.238	.214

Compact (.350" L, .063" Dia. Mtg. Hole)

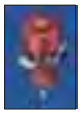
Part No.	Product No.	Color	5	50
1582014	5005	Red	$.175	$.164
1582022	5006	Black	.199	.186
1582031	5007	White	.15	.141

Multipurpose (.445" L, .063" Dia. Mtg. Hole)

Part No.	Product No.	Color	5	50
1582049	5010	Red	$.237	$.213
1582057	5011	Black	.179	.168
1582065	5012	White	.175	.164
1582073	5014	Yellow	.234	.211

Keystone — Banana Jacks

- Fully insulated
- Size: .937"L x .433"Dia.
- .182" solder tab
- Chassis mounting


1582170

Part No.	Product No.	Color	1	10	100
1582170	6091	Red	$1.05	$1.01	$.90
1582188	6092	Black	1.05	1.01	.90

Pomona — Stackable Banana Test Lead Cables


159898


159901


159919

- 5000V @ 15A
- 55˚C max.

159898: Two 36" leads, mini clip w/ banana
- 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

159901: Two 24" leads **159919**: Two 36" leads

Part No.	Prod. No.	Description	1	10	25
159898	3782-36 ⊕	Mini w/ banana	$9.95	$9.45	$9.00
159901	B-24-02 ⊕	Patch cord	10.65	9.58	8.51
159919	B-36-02 ⊕	Patch cord	10.65	9.58	8.51

Pomona — BNC to Minigrabber® Test Clips

- RG 174/U, .100" O.D.
- Rating: 300 V_{RMS} max., +50˚C (+122˚F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"



Part No.	Product No.	1	10
176954	5187-K-36 ⊕	$25.25	$24.02

Pomona — BNC Male w/ Molded Strain Relief to Minigator® Test Clips

- RG 58C/U, .195" O.D.
- Rating: 45 V_{RMS} max., +50˚C (+122˚F) max.
- Jaws open to .187" max.
- Length: 36"



Part No.	Product No.	1	10
176971	4532-C-36 ⊕	$18.95	$16.95

For more Pomona visit www.Jameco.com

Pomona — Solderless Banana Plugs


159863


159855


159927

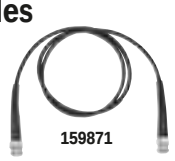
- Nickel-plated
- ABS insulation
- Sets include 1 black and 1 red
- Set screws secure leads
- 5000VDC @ 15A
- 50˚C max.

159863: w/ safety collar **159855:** w/ set screw
159927: double banana plug w/ wire guide

Part No.	Prod. No.	Description	1	10	25
159863	1825-02 ⊕	Safety collar	$3.29	$2.99	$2.69
159855	1325-02 ⊕	Set screw	3.49	3.17	2.85
159927	MDP-02 ⊕	Double banana	5.15	4.89	4.64

Pomona — BNC Cables

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871: 36" P/N 159880: 60"


159871

Part No.	Product No.	1	10	25
159871	2249-C-36 ⊕	$16.59	$14.97	$13.47
159880	2249-C-60 ⊕	17.65	16.98	15.51

Keystone — PC Test Points

- Straight
- Solder
- **Minimum order 5 pieces**


1581601

1581601/1581951:
- .118"W
- 25µ" thick


1581960

1581960:
- .094"W
- 20µ" thick

Part No.	Product No.	Description	5	50
1581601	1033	Looped, .171"L	$.10	$.095
1581951	4951	Slotted, .275"L	.053	.05
1581960	4953	Looped, .355"L	.064	.06

For more Keystone visit www.Jameco.com

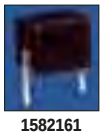
Keystone — Test Jacks

- Current rating: 5A
- Accepts .080" tip
- Black

1582145/1582153: Vertical
- Size: .312"L x .187"Dia.

1582161: Horizontal
- Size: .208"L x .203"H x .147"W


1582145


1582161

Part No.	Product No.	Description	1	5	50
1582145	6038	PC Mount	$.65	$.59	$.524
1582153	6040	Snap-fit	1.36	1.27	1.16
1582161	6050	PC Mount	.74	.72	.70

Pomona — Minigrabber® Test Clip Patch Cord Kit

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends



Part No.	Prod. No.	Description	1	10
156494	5523 ⊕	Patch cord (hook)	$43.74	$40.23

Pomona — Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155951	5519A ⊕	$14.99	$13.69	$12.99

Pomona — 11"L Test Lead Holders

155985:
- Max cable dia.: 0.450"

155977:
- Max cable dia.: 0.320"

155969:
- Max cable dia.: 0.210"


155985

Part No.	Prod. No.	Slots	Color	1	10	25
155985	2708B ⊕	9	Blue	$11.29	$10.99	$10.25
155977	4408 ⊕	10	Black	11.49	10.69	9.99
155969	1508 ⊕	14	Orange	12.95	11.75	10.79

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

1 9/16" Banana Plugs



- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening • Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100
72195	Banana plugs	$1.59	$1.49	$1.25

2 1/4" Banana Plugs



- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W • Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137526	Banana plugs	$2.95	$2.12	$1.84

Double Banana Plugs



- Dual gold-plated female banana plugs • Stackable

125218

Part No.	Description	1	10	100
125210	Black banana conn.	$3.18	$2.70	$2.03
125218	Red banana conn.	3.15	2.82	2.54

BNC to Standard Double Banana Plugs



11440



125225

Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11440	BNC banana plug (F)	$5.94	$5.39	$4.79
125225	BNC banana plug (M)	7.26	6.17	4.64

BNC to Alligator Clip Test Cable



Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips – red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector

Part No.	Description	1	10	100
11384	BNC cable	$4.05	$2.89	$2.61

BNC to Clip Test Cables



11422



11464

BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip • Length: 39"

Part No.	Description	1	10	50	100
11422	Micro-clip RG174	$3.99	$3.19	$2.89	$2.59
11464	Mini-clip RG174	4.39	3.99	3.59	3.19

Banana-to-Banana Test Leads



- Stackable
- Color coded; 2 each red, yellow, blue, black, white • 9.8" long
- 10 per package • 18 AWG wire

Part No.	Description	1	10	25
77842	Test leads	$22.95	$20.69	$18.59

Double-Banana Plug to Alligator Clips Test Cable



- Red & black rubber boot
- 4" lead wire
- Length: 3'

Part No.	Description	1	10	50	100
107423	Test cable	$4.74	$4.19	$3.54	$2.99

1" Screw-Type Binding Posts



- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut • Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.

Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71240	Binding posts (2)	$1.05	$.90	$.74	$.63

1 3/4" Screw/Solder Binding Posts

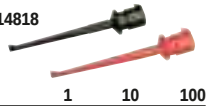


- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06"Dia.
- Size: 1.8"L x 0.5"Dia.

Includes: One red and one black

Part No.	Description	1	10	100	1000
77691	Binding posts (2)	$1.31	$1.14	$1.10	$1.05

Mini Test Clips



114818

- Two lengths

Includes: One black and one red hooked probe clip

Part No.	Description	1	10	100
114809	1.75" mini test clips ⊕	$2.19	$1.71	$1.55
114818	3.5" mini test clips	2.10	1.79	1.35

Micro Test Clip



- One piece per package

Part No.	Description	1	10	100
153163	1.6" micro test clip	$1.95	$1.74	$1.38

Mini-Clip to Banana Test Cables



21865

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- 20 AWG insulated wire
- Length: 3.5'

Part No.	Description	1	10	100
21857	Black test cable	$3.95	$3.55	$2.99
21865	Red test cable	3.95	3.49	2.99

Mini-Clip Test Leads



These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire

Part No.	Description	1	10	100
135299	Mini test leads	$11.49	$10.39	$9.29

Alligator Clip Leads



- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors

Part No.	Description	1	10	100
10444	Alligator leads	$4.39	$3.95	$3.56

Insulated Alligator Clips



- Color-coded • Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100
70991	Alligator clips	$.39	$.36	$.33

Alligator Clips



248921



256525



248972

- Sold in increments of 2

248921: 1.2"L x 0.3"W **256525**: 1.9"L x 0.2"W

Part No.	Description	2	4	10
248921	Mini clip solder/crimp	$.336	$.30	$.276
256525	Alligator clip, barrel/screw	.45	.38	.35
248972	Red ins. for 256525	.255	.245	.235

BNC Female Connector with 20AWG Lead Wires



Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector • 7" 20AWG lead wires

Part No.	Cross Ref. No.	1	10	100
256831	CBB-069 ⊕	$5.39	$5.15	$4.89

Universal Test Lead Kit



Includes:
3' black/red cables, 4.5" black/red insulated test probes, 0.8" needle probes, spade terminals, 2 sets of 4 pieces each: red/black insulated alligator clips and banana plug

Quantity SAVE

Part No.	Description	1	10	100
168516	Universal kit ⊕	$8.95	$7.61	$5.71

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Panel Mount Tip Jacks 1/4" – 32 Thread



Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin • Material: brass
- Insulation: polycarbonate • 10 per package

Part No.	Cross Ref. No.	Color	1	10	100
256779	R1-17-BLK	Black	$8.59	$8.15	$7.75
263864	R1-17-RED	Red	8.59	8.15	7.75

Double Binding Posts – Dual Banana



- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W

Part No.	Description	1	10	100
125197	Double bind post	$4.74	$4.14	$3.83

BNC to Double Binding Posts – Dual Banana



125233

- Red/black design

✪ Blue Part No. = Limited Qty Available

Part No.	Description	1	10	100
125233	BNC-female	$5.94	$5.39	$4.86
99354	BNC-male ⊕✪	5.29	4.76	4.28

Protected Banana Style Multimeter Test Probes



- Threaded/pointed test tip
- Black and red
- 18 AWG wire • 42" long
- 2 per package

Part No.	Description	1	10	25
77738	Protected probes	$6.49	$5.85	$5.25

Standard Banana Style Multimeter Test Probes



- Black and red
- 18 AWG wire
- 2 per package • 42" long

Part No.	Description	1	10	25
77746	Std. banana probes	$7.69	$6.95	$6.25

For more BenchPro visit www.Jameco.com

Probe Test Leads



174625

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"

174625 Includes:
10 plunger type tips

212222 Includes:
10 pieces; screw-on alligator clips, spade lugs and spring hooks



212222

Part No.	Description	1	10	25
174625	Micro tip test leads	$36.35	$34.52	$33.14
212222	Softie test leads	24.79	23.56	22.41

Open an account with us to consolidate your monthly billing and save time.
1-800-831-4242

40-Piece Electronic Tech Tool Kit



- The kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - Potentiometer alignment tools
  - T10-T25 reversible Torx screwdriver bits
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - 10-pc screwdriver set
  - Extra long 3-claw parts holder
  - IC inserter w/ pin straightener
  - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	10	25
119183	40-piece tool kit	$21.95	$19.76	$15.80

51-Piece Tech Tool Kit

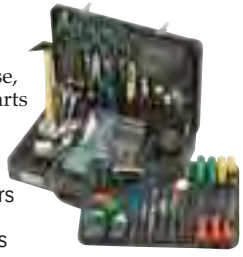


Essential kit for electronic machine maintenance and repair jobs!

- In addition to the tools listed in the matrix right, the kit includes:
  - 2 nut drivers
  - Solder pen
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	$99.95	$81.95

57-Pc. Master Electronics Tool Kit



Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
  - 5" & 6" side cutter
  - 5" & 6" long nose pliers
  - 8" combination pliers
  - 9.5" water pump pliers
  - Testing driver
  - Alignment driver
  - Parts tube
  - 5-piece file set
  - 6" stainless scissors
  - Solder wick
  - PVC insulated tape
  - Oil can
  - Carpenter hammer
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245	Master electronic tool kit	$130.99	$120.99

Heavy-Duty Tool/Equipment Case



Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.

- Size: 19.0"L x 14.0"W x 6.0"D

Part No.	Description	1	5
261877	Tool/equipment case	$48.59	$44.15

For Complete Specifications & More Tool Kits visit www.Jameco.com

100-Piece Professional Electronics Tool Kit



Kit for field technicians and engineers!

- Kit includes:
  - Computer/polarity circuit tester
  - Mini vacuum cleaner
  - Cassette head cleaning fluid
  - 3.6V cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	$199.95	$189.95

114-Piece Tech Service Tool Kit



- Kit includes:
  - 40-pc socket pack
  - 6" side cutter
  - 6" long nose pliers
  - 6" slip joint pliers
  - Carpenter hammer
  - Stainless steel spring hook
  - 8" combination pliers
  - 3 piece trimmer set
  - Solder wick
  - 2 removable pallets
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024	114-piece tool kit	$289.99	$259.99

Weller® 250-Watt, 3-Setting Industrial Heat Gun



- 750°F to 800°F hot air at nozzle; 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord

Part No.	Product No.	Wt. (lbs.)	1	10
191943	6966C	1.2	$135.85	$121.42

1000-Watt Heat Gun



- Input voltage: 110-120VAC
- Dual heat setting: 600˚F/1100˚F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts

Part No.	Description	1	6	12
254925	Heat gun	$42.55	$41.10	$36.85

Heat Gun/Stripper

Dual-Setting



76865

217816

- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed • Weight: 1.8 lbs. • Size: 9.3"L x 7.0"W

Part No.	Description	1	10	25
76865	Heat gun ⊕	$39.95	$35.95	$31.95
217816	Heat shrink attachment ⊕	1.95	1.66	1.25

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	10	25
26702	GTT-103A drill ⊕	0.8	$33.55	$30.18	$26.82
26711	GTT-104 stand	1.8	26.34	23.70	21.06

PC Board Drill Bits



- Reconditioned carbon steel bits
- High quality long lasting cutting edge
- Shank dia.: .125"
- Use for drilling holes in glass PC boards

Quantity SAVE

Part No.	Drill Dia.	No.	Application	1	10	100
16619	.021"	75	Misc.	$1.55	$1.32	$.99
16580	.040"	59	Plated thru holes	1.75	1.49	1.12

9-Piece Drill Bit Kit



- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes

Part No.	Description	1	10	50
131676	9-piece drill bit kit	$9.95	$8.95	$7.95

32-Piece Security Bit Set



These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829	32-piece security bit set	$11.95	$10.75

JAMECO Pocket Screwdriver

Phillips & Flat head



- Size: 6"L
- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	Pocket screwdriver	$1.55	$1.45	$1.19

6-Pc Precision Screwdriver Sets



34041

34041 includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059 includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041	Slotted set ⊕	$3.59	$3.05	$2.28
34059	Phillips set ⊕	3.59	3.05	2.29

6-Pc Precision Torx Screwdriver Set



- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T10 x 50mm Torx hex screwdrivers

Quantity SAVE

Part No.	Description	1	5
226106	Precision TORX screwdriver ⊕	$12.95	$9.74

6-Pc Long-Neck Screwdriver Set



- Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L; 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451	6-pc. screwdriver set ⊕	$8.95	$8.06	$7.25

7-Pc Insulated Screwdriver Set

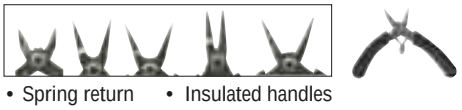


- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999	Screwdriver set ⊕	$17.95	$16.15

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:
One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73121	5-piece set	0.6	$18.15	$16.32	$14.69

Xcelite Needle Nose Pliers

217891 (submini needle nose): Serrated jaws
- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas

217998: Smooth jaws
- General purpose for pick-up and wire forming



217891 217998

Part No.	Prod. No.	Description	1	10
217891	L4	4" mini needle nose	$14.95	$13.69
217998	LN54G	5" thin long nose	15.05	13.97

Half-Round Long Nose Pliers

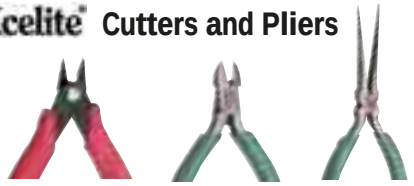


- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws

Part No.	Description	1	10	50	100
177608	Half-round pliers	$4.95	$4.49	$3.95	$3.59

For more Tools visit www.Jameco.com

Xcelite Cutters and Pliers



146712 (6") 146739 (4") 146721 (5")

- Spring returns

146712: Micro series wire cutter – flush; 6"
146739: Diag. wire cutter – semi-flush; 4"
146721: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	10	50	100
146712	170M	$5.99	$5.49	$4.99	$4.79
146739	MS54V	12.29	11.99	11.79	11.59
146721	MN7776V	14.99	14.49	14.25	13.99

4.3" Diagonal Wire Cutter



- Cuts component wire up to 1.2mm thick
- Stainless steel
- Durable rubber handles
- Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade

Part No.	Description	1	10	50	100
35482	Wire cutter	$5.59	$4.99	$4.55	$3.99

5" Diagonal Wire Cutter

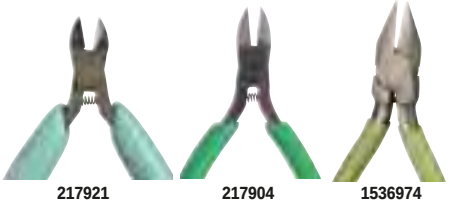


- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- Insulated handles
- Jaws are designed for flush cutting
- 5.0"L x 1.8"W w/ 0.5" cutting blade

Part No.	Description	1	10	25
161411	Wire cutter ⊕	$7.49	$6.74	$6.07

For more Xcelite Cutters & Pliers visit www.Jameco.com

Xcelite Diagonal Cutters



217921 217904 1536974

Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

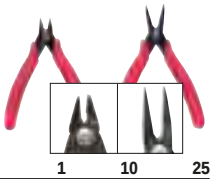
- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort



217867

Part No.	Product No.	Description	1	10
217921	MS54J	4" oval head-flush	$18.79	$16.94
1536974	S475NJS	4" relieved head-flush	14.95	13.68
217904	MS549J	4" tapered head-flush	15.09	14.56
217867	MS545J	4" slim line tapered head-flush	14.59	12.99

Xcelite Shearcutter/Pliers Set



- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L

Part No.	Product No.	1	10	25
152055	S2K	$15.99	$14.99	$13.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78992: 10-30 AWG (screw adjustable)
215889: 10-24 AWG (dial to adjust for wire gauge)


78992 215889

Part No.	Cross Ref. No.	1	10	50	100
78992	HT108R	$3.95	$4.01	$3.39	$2.98
215889	JE-2022CR	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226: Premium
- 12-20 AWG stranded; 10-18 AWG solid

161234: Premium
- 16-26 AWG stranded; 14-24 AWG solid

161218: Standard
- 16-26 AWG stranded; 14-24 AWG solid • Color: red


161226 161234

Part No.	Product No.	Description	1	10
161226	ID45-215R	Cushioned grips	$18.39	$17.50
161234	ID45-216R	Cushioned grips	17.79	17.06
161218	ID45-121R	Non-cushioned grips	12.39	12.25

Hand Tools for Mini-Fit™ Jr.


304928 304936

304928: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928	63811-1000	Crimp tool	$47.29	$45.46
304936	11-03-0044	Extraction tool	19.99	18.99

Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.



Includes: Wire stopper for desired strip length

Part No.	Description	1	10	25
175098	Strips 8-22 AWGR	$16.95	$15.26	$13.73

Rotary Coax Cable Strippers

2 and 3 Blade

159119 (3 Blade): 2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W • Color: black


159119

159185 (2 Blades): 4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- Color: gray

Includes: Hex key wrench for adjusting blade


159185

Part No.	Product No.	1	10	25
159119	HT312B (3 blade)R	$13.95	$11.86	$8.89
159185	HT332D (2 blade)⊕	13.95	12.56	11.30

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C)
- Weight: 0.7 lbs.



Part No.	Description	1	10	25
159312	RJ45/11/12R	$21.95	$19.95	$17.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
114535	HT-336GR	$25.15	$23.32	$20.99

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377 & 43369, pg 95 & 100766, pg 131
- Size: 7.0"L x 4.0"W



Part No.	Product No.	1	10	25
159266	HT213R	$10.95	$9.89	$8.89

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Product No.	1	10	25	100
99443	HT202AR	$9.49	$8.55	$7.69	$6.95

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long



Part No.	Description	1	10	25
151750	T-handle reamer R	$7.95	$7.49	$6.95

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades



Part No.	Description	1	10	25
72768	13 blade knife set⊕	$10.95	$9.86	$8.87

Strip-Wrap-Unwrap Tool

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 83 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long


34585

Part No.	Cross Ref. No.	1	10	25
34585	HSM30 (Modified)	$59.49	$53.54	$47.58
236785	HSR30 (Regular)	30.55	25.97	19.47

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade
- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324014: Tool with blade
- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H


175071 175089

175089: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071	Tool with 66 blade⊕	$35.99	$32.40
324014	Tool with 110 blade R	49.35	38.69
175089	Punch-down blade 110⊕	14.95	13.49

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver


116126

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116126	Inches (.001 inch)⊕	$29.95	$25.46	$19.10
684449	Metric/Inches	43.75	39.35	35.41

Digital Display Caliper

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty

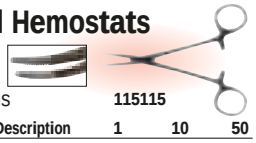


Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 175)

Part No.	Description	1	10	25
127482	Digital disp. caliper⊕	$69.25	$66.28	$64.62

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

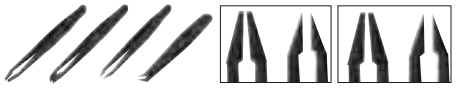

115115

Part No.	Cross Ref. No.	Description	1	10	50
115107	HEMO1	Straight	$3.49	$3.14	$2.83
115115	HEMO2	Curved	3.95	3.56	3.20

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

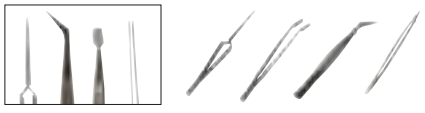
4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638	4-piece tweezer set ⊕	$11.95	$10.95	$9.95

4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735	4-piece tweezer set ⊕	$7.95	$6.95	$5.95

PLCC and DIP IC Extractors

- Size: 4.0"L x 2.0"W (both)


16766 16838

Part No.	Product No.	Description	1	10	100
16766	HT103B	PLCC	$3.95	$3.55	$3.19
16838	HT103A	DIP	1.49	1.25	1.09

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.



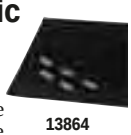
- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	$7.69	$6.94	$6.24

Conductive Anti-Static Foam and Bags

Don't get zapped!


13864

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description	1	5
13864	Anti-static foam	$9.29	$8.35
78650	8" x 10" anti-static bags	.69	.59

Protective Coiled Grounding Wrist Strap



- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long
- Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Anti-static strap	$6.49	$5.85	$5.29

Precision 5 Diopter Magnifying Lamp



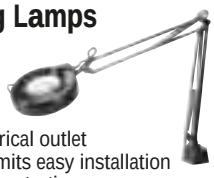
The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456	Magnifying lamp	$109.95	$98.95	$88.95

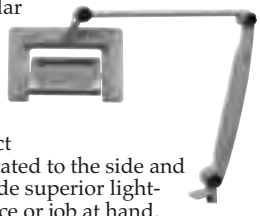
3X Magnifying Lamps



- 45" extension arm
- Supplied with 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection
- Power reqirement: 110VAC/60Hz
- 3-diopter lens • Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829	Black lamp	$59.95	$53.95	$49.95
149981	White lamp	59.95	53.95	49.95

3X, 3-Bulb Magnifying Lamp

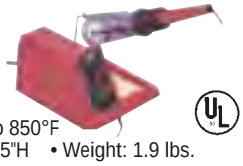


Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- 47" long arm • 2 on/off buttons
- Color: beige • UL listed • Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517	Adj. magnifying lamp	$79.95	$74.95	$69.95

Weller® 40-Watt Soldering Station



- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Prod. No.	Description	1	10
146595	WLC100	Soldering station	$46.99	$44.99

For more Tools & Soldering Stations visit www.Jameco.com

Email us 24/7 at
NewProducts@Jameco.com
with suggestions
for products you'd like to
see in future catalogs.

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23


146608 146616 146624

Part No.	Prod. No.	Description	1	10
146608	ST1	Screwdriver tip 1/16"	$5.45	$4.86
146616	ST3	Screwdriver tip 1/8"	5.45	4.86
192145	ST6	Screwdriver tip .031"	4.29	4.19
146624	ST7	Conical tip 1/32"	4.99	4.26

Weller® 42-Watt Controlled-Output Soldering Station



- Complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552	WTCP	Solder station	$138.95	$134.95
192161	TC201T	Replac. iron	74.65	71.95
192170	PTA6	.062" screwdriver tip (600˚F)	5.75	5.46
192188	PTA7	.062" screwdriver tip (700˚F)	5.99	5.47
192196	PTA8	.062" screwdriver tip (800˚F)	5.69	5.15

60-Watt Analog Display Soldering Station



Maintains a steady temp. using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115, pg 200)

236460: Replacement sponge

Part No.	Product No.	1	10	25
236110	168-3C	$89.95	$79.95	$72.95
236460	78-744615	2.99	2.69	2.49

SMD Tweezer Iron


168410

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760˚F • 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.


168583

Includes: 0.095" tip

Part No.	Description	1	10	25
168410	Tweezer iron	$59.95	$53.95	$48.95
168583	Tip .078"	11.95	10.79	9.69
168591	Tip .590"	12.95	11.69	10.49

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

SMD Rework Station



- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450˚C (482-842˚F)
- Long-life ceramic heating element
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature • Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element • Weight: 2.6 lbs

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629	Rework station ♻	$89.95	$80.99	$72.85
168583	.078" tip ♻	11.95	10.79	9.69
168591	.590" tip ♻	12.95	11.69	10.49

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.



233533

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350˚F to 850˚F
- Temp. accuracy: ±9.0˚F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

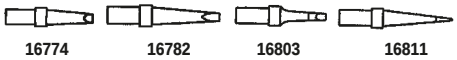
Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461	WES51 ♻	Analog	$120.49	$116.15
233533	WESD51 ♻	Digital	158.95	150.99

Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered



16774 16782 16803 16811

Part No.	Prod. No.	Description	1	10
16774	ETA ♻	Screwdriver 1/16"	$6.95	$6.25
16782	ETJ ♻	Long screwdriver 1/32"	6.95	6.25
16803	ETR ♻	Narrow screwdriver 1/16"	5.95	5.65
16811	ETS ♻	Long conical 1/64"	5.95	5.65

16 to 30-Watt Variable Soldering Iron, Stand & Sponge



116572



134631

36329

116572: Length: 7.5"

36329:

- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" diameter

Includes: Sponge

Part No.	Description	1	10	100
116572	Soldering iron ♻	$16.95	$15.29	$13.75
36329	Soldering stand ♻	4.95	4.46	4.01
134631	Sponge (for P/N 36329)	2.99	2.69	2.49

Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.



- 120VAC; 6' cord • 25-watt power consumption
- Interchangeable tips (pg 200) • UL listed
- Length: 8.0" • One-year warranty

Includes: 1.6mm conical tip

Part No.	Description	1	10	25
129040	25W solder. iron ♻	$13.15	$12.71	$11.41

High-Quality 25-Watt & 35-Watt Soldering Irons



170587



192153

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz

Includes: Power cord & ST3 tip (pg 198)

Part No.	Product No.	Description	1	10
170587	WP25 ♻	25W solder iron	$35.65	$34.43
192102	WP35 ♻	35W solder iron	44.85	43.34
192153	PH25 ♻	Solder iron stand	18.19	17.79

Cordless Soldering Iron Kit



- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off • Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Product No.	Description	1	5
152207	PSI-100K ♻	Tool kit	$81.99	$78.79

Pro Cordless Coldheat Soldering Iron



Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA alkaline batteries.

- Polycarbonate body • High/low/off power switch
- Bright white LED light • Red "in use" indicator light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA alkaline batteries

Part No.	Product No.	Description	1	5
684705	CHT100 ♻	Cordless soldering iron	$40.29	$37.25
684713	CHT1 ♻	50° angle bevel tip	11.19	10.65
684756	CHT2 ♻	61° angle conical tip	11.19	10.65

Soldering Tip

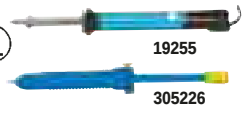
Replacement Tip for Pro-120 Butane Powered Soldering Iron



255302

Part No.	Cross Ref. No.	Description	1	5
255302	PS-3	Tip, 1/8" flat	$8.99	$8.75

Electric & Manual Desolder Pumps



19255

305226



19166

- Easily disassembled for cleaning
- Replacement tips available

19255:

- UL listed
- One-hand operation
- Size: 10.5"L x1.0"Dia.

19166: Size: 7.8"L x 0.8"Dia.

305226: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19255	Electric desolder pump ♻	$26.95	$23.95
19166	Manual desolder pump	4.95	4.49
305226	Manual desolder pump ♻	14.75	13.99
19262	1 tip for 19255 ⊕	4.95	4.49
22091	2 tips for 19166 ⊕	4.49	3.95
307782	1 tip for 305226 ♻	2.39	2.27

35-Watt Soldering Iron



208987

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC

Part No.	Description	1	10	100
208987	35W soldering iron	$3.49	$3.04	$2.77
209075	Solder roll, 8mm (.031") ♻	19.95	17.95	16.94

Butane Powered Cordless Soldering Iron



- Cordless, simple operation
- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Product No.	Description	1	10
645520	GASIRON2	Soldering iron	$29.55	$28.15

Digital Soldering Stations



684772

684772:

- New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)
- 80W of power
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand • Includes LTB tip
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.

684781:

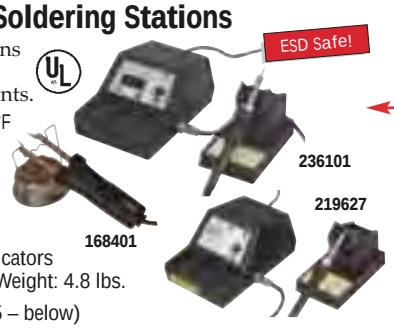
- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work • 85W of power
- Iron stand has adjustable tilt angle in 4 positions ranging from 30˚ to 80˚ • Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H • Weight: 7.5 lbs.

Part No.	Product No.	Description	1	5
684772	WD1002 ♻	80W	$279.95	$269.95
684781	WD1001 ♻	85W	279.95	269.95

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.



- Temperature is maintained at ±6°F
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115 – below)

Part No.	Product No.	Description	1	10	25
236101	XY9-60D/ESD	Digital soldering station – ESD safe	$109.95	$99.95	$89.95
219627	XY9-60A	Analog soldering station	99.95	89.95	79.95
168401	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583	46-060102	Tip .078" for P/N 168401	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 168401	12.95	11.69	10.49
236460	78-744615	Replacement sponge for both stations	2.99	2.69	2.49

For more Xytronic Soldering Stations & Irons visit www.Jameco.com

45-Watt Analog Display Soldering Station

Grounded Soldering Tip



- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673	XYT379-C	45-Watt soldering station	$59.95	$53.95	$48.95
156814	XYB01	Sharp conical chisel 1/32" tip	4.95	4.49	3.95
134631	SP715	Replacement sponge	2.99	2.69	2.49

60-Watt Desoldering & Soldering Station

Special 5% Bundle Savings
Complete ISO 9000 digital station –
P/N 236101 & 125508
Sold separately $409.90
Combined: P/N 207263 $388.95



- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes
- Size: 9.2"L x 7.2"W x 3.6"H • Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

- **207271** For use w/ models 136, 136ESD, 137ESD & 988

Part No.	Product No.	Description	1	10	25
125508	968	Desoldering station	$299.95	$269.99	$242.99
207271	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583	46-060102	Tip .078" for P/N 207271	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 207271	12.95	11.69	10.49
236460	78-744615	Replacement sponge	2.99	2.69	2.49

Replacement Sponges for Legacy Models

Part No.	Product No.	For Station	1	10	100
134640	SP815	168-3C	$2.99	$2.55	$1.95
134631	SP715	XY-60D, XY-379 & XYT379-C	2.99	2.69	2.49

Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.



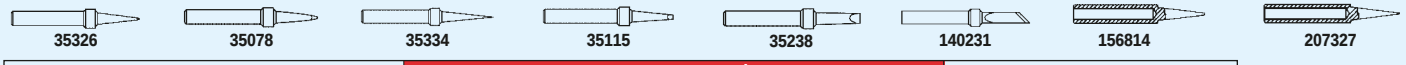
- 25W, 40W & 60W
- 120VAC; 6' cord with 3-prong plug
- Length: 9"

Tips for 224611/224602:
226000 chisel; **226018** conical

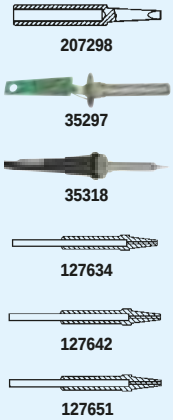
Tips for 195223:
226026 chisel; **226034** conical

Part No.	Product No.		1	10	25
224611	200PHG-25W		$7.95	$7.15	$6.45
224602	200PHG-40W		8.95	8.06	7.25
195223	200PHG-60W		13.95	12.49	12.11
226000	44-240517	tip	.95	.81	.61
226018	44-240513	tip	.95	.85	.79
226026	44-240617	tip	1.95	1.79	1.59
226034	44-240603	tip	1.95	1.79	1.59

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



Part No.	Cross Ref. No.	Description	For XYTronic Model Numbers (*Legacy Models): 258/L	136ESD	168*	200CX, 200PHG	379	AESD*/DESD	XY960M/ 960D*	968	999SDA*	352SP*	168-3C	Pricing: 1	10	25
35326	XY401	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	$4.49	$3.95	$3.65
35078	XY402	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35334	XY403	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35115	XY404	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
140231	XY430	Soldering tip - SMD flat pack 7/32"	✓		✓	✓		✓	✓		✓	✓	✓	8.95	7.95	7.25
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓			✓							4.95	4.49	3.95
207327	XYB03	Soldering tip - conical sharp 1/64"		✓			✓							4.95	4.49	3.95
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓			✓							4.95	4.49	3.95
35297	XY37	Heating element - (nichrome)			✓	✓		✓			✓		✓	20.95	18.95	16.95
35318	XY48	Assembly - 60W w/ nichrome heater			✓	✓		✓			✓		✓	30.95	27.95	24.95
127634	XYD10	Desoldering tip - 1.0mm (.0394")							✓	✓	✓			8.95	7.95	7.25
127642	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓	✓			8.95	7.95	7.25
127651	XYD15	Desoldering tip - 1.5mm (.0586")							✓	✓	✓			9.05	8.03	7.32



Soldering Kit

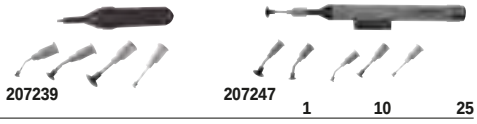
Includes: 100W soldering soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool.



Part No.	Description	Size	Weight (lbs.)	Price
684596	GSR-600A	13.8"L x 11"W x 3"H	4.0	$32.55

Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less



Part No.	Description	1	10	25
207239	Handivac tool (4 tips and cups)	$21.99	$19.79	$17.81
207247	Pen vac tool (6 tips and cups/aluminum body)	37.95	34.25	30.49

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Test/Tools

Solder Spool & Iron Stand



- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.

Solder not included

Part No.	Description	1	10	100
169551	Spool & iron stand	$16.95	$15.29	$13.75

Solder Spool Stand



- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.

Solder not included

Part No.	Description	1	10	100
141761	Solder spool stand ℞	$8.95	$7.95	$6.95

Solder Bars

- Used with solder pots • Size: 13"L x 0.9"Dia.

176057: 60/40
170465: 63/37
668406: 99.3% tin, 0.7% copper
668414: 96.3% tin, 3.2% silver, 0.5% copper



170465

Part No.	Description	Wt. (lbs.)	1	10	25
176057	60/40	1.1	$8.75	$8.31	$7.89
170465	63/37 ℞	1.8	11.95	11.33	10.77
668406	99.3/.7 ℞	2.2	36.49	31.95	30.11
668414	96.3/3.2/.5 ℞	2.2	81.47	74.03	66.64

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C



- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057 or 170465, above
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty

Part No.	Description	1	10	25
160304	300W solder pot ℞	$71.39	$67.85	$64.46

600-Watt Solder Pot

Temperature Adjustable



- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170465, above
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.

Includes: Skimmer and removable dross tray

Part No.	Description	1	10
172276	600W solder pot ℞	$227.94	$179.06

2000-Watt Solder Pot



- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170465, above
- 3 conductor pigtail power cord: 5' long
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty

Part No.	Description	1	5
149876	2000 watt solder pot	$399.95	$359.95

Fume Extractor



Designed to remove solder flux fumes and other workplace fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.

- Input voltage: 110 – 120V
- Power: 20W • Arm length: 29"
- Fan specifications: 50dB S/N ratio; 87cfn
- Size: 8.3"H x 8.3"W x 5.3"D • Weight: 3.3 lbs.

Part No.	Product No.	1	10
667420	GS-630A	$54.09	$51.25
672579	GS-628-08 (carbon filter 3pk.)	15.99	14.39

Combination 42-Watt Soldering Station and Fume Extractor



- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D
- Weight: 5.2 lbs.

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169	456DLX ℞	$89.95	$86.29

Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan



- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty

Includes: Detachable power cord

Part No.	Description	1	10	25
120150	Fume extractor ℞	$58.95	$52.95	$47.79
127183	Replace. filters (2/pk) ℞	12.95	11.66	10.49

Weller® Fume Extractor



This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC
- Sound level: 45-50dB
- Air consumption: 87-107CFM • UL/CUL listed
- Power consumption: 20W • ESD safe
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H • Weight: 4.2 lbs.

Part No.	Product No.	1	5
684810	WSA350	$47.95	$44.95
684828	WSA350F (carbon filter)	7.15	6.79

Clip-On Heat Sink



- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W

Part No.	Mfr. Part No.	1	10	25
159126	HT156 ⊕	$3.05	$2.71	$2.45

TECHSPRAY Heat Sink Compound 4-oz.



This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.

Part No.	Product No.	1	10
169252	1978DP ℞	$19.09	$18.22

GC Heatsink Compounds

Silicone (Z9)



615321

Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113

Part No.	Prod. No.	Description	1	10	100
615304	10-8106	1 lb. can	$29.05	$27.03	$23.71
615312	10-8108	6.5 gram tube	2.29	2.13	1.87
615321	10-8109	1 fl. oz. tube	6.35	5.89	5.17

For More Soldering Products visit www.Jameco.com

Rosin Core Solder Rolls and Pocket Packs



141778



170457



32117

Part No.	Manufacturer	% Composition Tin	Lead	Silver	Copper	Dia. (in.)	Wt. (lbs.)	Pricing 1	10	50	100
668078	— ℞	99.3	—	—	0.7	0.04	0.6	$10.79	$9.89	$8.91	$8.45
668262	— ℞	96.3	—	3.2	0.5	0.04	0.6	17.59	16.72	15.88	15.09
668271	— ℞	96.5	—	3.5	—	0.04	0.6	24.75	20.74	19.78	18.79
668297	— ℞	96.3	—	3.2	0.5	0.04	1.1	29.95	29.00	28.10	27.38
668318	— ℞	96.5	—	3.5	—	0.04	1.1	27.79	27.10	26.65	26.19
141786	Super	60	40	0	—	0.031	1.10	9.45	8.62	8.34	8.05
141778	Super	60	40	0	—	0.031	2.20	15.49	14.99	14.49	13.99
170457	Golden ℞	60	40	0	—	0.031	0.06	1.39	1.25	1.05	.99
32117	Kester	60	40	0	—	0.031	1.00	16.99	15.31	13.81	12.43
112344	Kester ⊕ ✪	63	37	0	—	0.020	1.00	19.49	18.50	18.27	18.14
151474	Kester*	63	37	0	—	0.031	1.00	18.39	16.55	14.89	13.39

* Organic core ✪ Blue Part No. = Limited Quantity Available

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Color Code Legend: New Sale Lower$ QtySave

Heat Sink Compounds

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.


167249


236823

- Color: opaque white

Part No.	Mfr. Part No.	1	10	100
167249	THM250 (2 oz.)	$9.95	$8.96	$8.06
236823	54114 (1 oz.) ♻	4.95	4.21	3.16

Soldering Tip Cleaner with Stand and Rosin Paste Flux

156777:
- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability


156777


73584

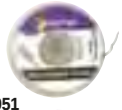
73584: Highly active non-corrosive and non-conductive flux with excellent wetting action

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50
156777	Tip cleaner & stand ♻	$4.95	$4.49	$4.05
160004	Metal wool replacement ♻	2.79	2.49	2.29
73584	Rosin paste flux (2 oz.) ✪	2.95	2.44	2.19

TECHSPRAY 5' No-Clean Desolder Braids

Meets all of the most stringent soldering standards for world-wide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.


139951


124126

- Length: 5'

Part No.	Description	1	10	100
139951	.030"W desolder braid ♻	$2.99	$2.69	$2.29
124126	.055"W desolder braid ♻	3.05	2.90	2.74
124118	.075"W desolder braid ♻	2.89	2.72	2.46

TECHSPRAY ProWick® Desoldering Braids

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.


263695

- Length: 5'

Part No.	Product No.	1	10	100
263695	1803-5F (0.075"W) ♻	$2.09	$1.90	$1.80
263599	1804-5F (0.098"W) ♻	2.39	2.04	1.97

Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- Weight: 2.1 lbs.



Part No.	Description	1	10
127167	Clamp vise ⊕	$20.79	$19.71

Lead-Free Solder Tip Tinner

Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!



Safe and Effective!

- 0.7 oz. tin with self adhesive pad

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50
132986	Lead-free tip tinner ✪	$4.95	$4.59	$4.19

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux


41100

✪ Blue Part No. = Limited Quantity Available

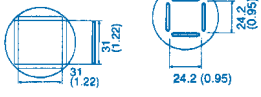
Part No.	Description	1	10	100
41082	.079"W braid (5') ♻	$1.69	$1.46	$1.09
41100	.098"W braid (5') ♻	1.59	1.32	1.18
153461	.120"W braid (5') ✪	1.59	1.39	1.25

XYTRONIC Hot Air SMD Rework Station with Digital Display

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temperature range: 100˚C - 385˚C (212˚F - 725˚F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes,P/N 262895 and 262908)





262967 262844 262941

Part No.	Product No.	Description	1	5
262705	850D ♻	Hot air SMD rework station with 4 focus hood tips	$395.05	$375.25
262924	A1141B ♻	Focus hood tip, PLCC 11.5 x 14	34.25	25.69
262810	A1135B ♻	Focus hood tip, PLCC 17.5 x 17.5	34.95	26.21
262959	A1136B ♻	Focus hood tip, PLCC 20 x 20	48.95	36.71
262836	A1137B ♻	Focus hood tip, PLCC 30 x 30	48.95	47.32
262967	A1138B ♻	Focus hood tip, PLCC 30 x 30	48.95	44.05
262895	A1125B ♻	Focus hood tip, QFP 10 x 10	34.95	33.25
262908	A1126B ♻	Focus hood tip, QFP 14 x 14	34.95	33.25
262772	A1128B ♻	Focus hood tip, QFP 14 x 20	34.25	25.69
262916	A1127B ♻	Focus hood tip, QFP 17.5 x 17.5	34.95	33.25
262852	A1261B ♻	Focus hood tip, QFP 20 x 20	49.95	48.29
262844	A1182B ♻	Focus hood tip, BQFP 24 x 24	49.95	48.29
262801	A1129B ♻	Focus hood tip, QFP 28 x 28	48.95	44.06
262887	A1265B ♻	Focus hood tip, QFP 32 x 32	79.95	75.95
262932	A1258B ♻	Focus hood tip, SOP 7.6 x 12.7	34.95	33.25
262941	A1260B ♻	Focus hood tip, SOP 8.6 x 18	34.95	33.25
262975	A1259B ♻	Focus hood tip, SOP 13 x 28	49.95	48.29

PANAVISE PV Jr. Vise

- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350˚F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs. • One-year warranty



Part No.	Description	1	10
134439	Jr. vise w/ mountable base	$23.75	$23.16

PANAVISE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. • One-year warranty



Part No.	Product No.	1	10
27131	M381	$55.95	$53.25

PANAVISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Description	1	5	10
27060	Electronic center	$74.95	$71.25	$67.95

Third Hand Tools

- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: 0.7 lbs.


681002

681002: With soldering holder and sponge

Part No.	Description	1	10	50
26690	Third hand	$5.95	$5.35	$4.79
681002	Third hand	8.75	7.89	7.15

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

SERPAC

Enclosures

For more Serpac Specialty Enclosures visit www.Jameco.com

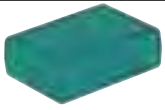
A Series — with PCB Boss Mounts



- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
373309	A-20-BK	Black	None	4.25 x 2.60 x 0.88	$5.55	$4.37	$4.19
373333	A-21-BK	Black	None	4.25 x 2.60 x 1.12	5.59	4.50	4.15
373368	A-27-BK	Black	None	5.31 x 3.35 x 1.50	8.35	6.95	6.76
373456	A-42-BK	Black	None	7.12 x 5.00 x 1.62	13.09	10.30	9.83
373608	A-42-9V-BK	Black	1-9V	7.12 x 5.00 x 1.62	14.65	11.55	10.99

C Series — with Pinch-Fit for PCBs



- Simple 2-piece design
- 2-insert areas for customized I-plates

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	$2.75	$2.18	$1.94
694541	C-4-TR-GY	Gray*	2.13 x 1.38 x 0.58	4.65	3.68	3.34
675358	C-6-BK	Black	2.26 x 1.61 x 0.75	2.59	2.06	1.87
694559	C-6-TR-GR	Green*	2.26 x 1.61 x 0.75	4.65	3.68	3.34
675366	C-8-BK	Black	2.40 x 1.85 x 0.93	3.29	2.91	2.58
694567	C-8-TR-RD	Red*	2.40 x 1.85 x 0.93	4.65	3.68	3.34
675374	C-10-BK	Black	3.25 x 2.30 x 0.80	2.95	2.32	2.09
694575	C-10-TR-BL	Blue*	3.25 x 2.30 x 0.80	5.05	4.99	4.79
675382	C-12-BK	Black	3.75 x 2.40 x 1.00	4.19	3.29	2.87
694612	C-28-BK	Black	5.00 x 1.85 x 1.00	4.15	3.42	2.95

* Translucent

CH Series — Single Screw Assembled



- Simple 2-piece design
- Insert area for customized I-plate

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675391	CH-4-BK	Black	2.27 x 1.52 x 0.59	$3.15	$2.65	$2.39
675403	CH-6-BK	Black	2.39 x 1.74 x 0.76	3.25	2.66	2.05
675411	CH-8-BK	Black	2.58 x 2.02 x 0.93	3.19	2.79	2.54

H Series — Handheld with Built-in Battery Holder



- Ergonomic handheld design
- 5-insert areas for customized I-plates

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
374395	H-45-BK	Black	None	3.90 x 2.20 x 0.94	$6.19	$5.90	$5.60
374483	H-45-AAA-BK	Black	2-AAA	3.90 x 2.20 x 0.94	7.79	6.80	6.45
374424	H-65-BK	Black	None	4.94 x 2.75 x 0.94	7.35	6.09	4.88
694621	H-65-TR-GY	Gray*	None	4.94 x 2.75 x 0.94	12.69	11.12	10.71
694639	H-65-TR-RD	Red*	None	4.94 x 2.75 x 0.94	13.09	10.90	8.73
374512	H-65-AA-BK	Black	2-AA	4.94 x 2.75 x 0.94	7.55	6.70	6.25
374715	H-65-AA-TR-BL	Blue*	2-AA	4.94 x 2.75 x 0.94	14.35	11.28	10.75
374723	H-65-AA-TR-GR	Green*	2-AA	4.94 x 2.75 x 0.94	14.35	11.96	9.57
374635	H-65-9V-BK	Black	1-9V	4.94 x 2.75 x 0.94	7.35	6.39	5.84
374758	H-65-9V-TR-BL	Blue*	1-9V	4.94 x 2.75 x 0.94	13.09	10.47	10.39
374774	H-65-9V-TR-RD	Red*	1-9V	4.94 x 2.75 x 0.94	14.05	11.73	9.42
675323	H-67-BK	Black	None	4.94 x 2.75 x 1.28	6.85	5.99	5.79
374547	H-67-AA-BK	Black	2-AA	4.94 x 2.75 x 1.28	8.25	6.77	6.28
374942	H-67-9V-BK	Black	1-9V	4.94 x 2.75 x 1.28	7.55	6.69	5.59
374459	H-75-BK	Black	None	7.19 x 3.65 x 1.26	8.35	7.99	7.55
374601	H-75-4AA-BK	Black	4-AA	7.20 x 3.65 x 1.20	12.55	9.97	8.58

* Translucent

Commercial Customers

Open an account with us to consolidate your monthly billing and save time.
1-800-831-4242

M Series — Handheld with Built-in Battery Holder



- Streamlined handheld design
- 5-insert areas for customized I-plates

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675420	M-4-BK	Black	2.80 x 2.20 x 0.70	$6.29	$5.30	$4.30
694663	M-4-TR-RD	Red*	2.80 x 2.20 x 0.70	10.89	9.09	8.55
694671	M-4-TR-BL	Blue*	2.80 x 2.20 x 0.70	10.89	9.08	7.27
675438	M-6-BK	Black	4.15 x 2.40 x 0.85	7.65	6.79	6.19
694815	M-6-TR-GY	Gray*	4.15 x 2.40 x 0.85	13.59	11.35	10.95
694807	M-6-TR-GR	Green*	4.15 x 2.40 x 0.85	13.59	11.35	9.12
675446	M-8-BK	Black	6.97 x 2.40 x 0.85	9.05	7.18	7.07

* Translucent

S Series — Two-piece Standard Enclosures

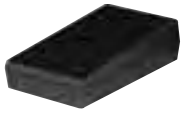


- 2-piece design
- 2-insert areas for customized I-plates

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
675454	110-I-BK †	Black	None	3.61 x 2.27 x 1.01	$3.45	$2.71	$2.63
675462	111-BK	Black	None	3.61 x 2.27 x 1.51	3.95	3.12	2.95
675471	031-BK	Black	None	4.38 x 3.25 x 0.91	4.75	3.72	3.65
675489	131-BK	Black	None	4.38 x 3.25 x 1.51	5.15	4.05	3.99
675569	211-BK	Black	1-9V	4.10 x 2.60 x 1.51	4.69	4.45	3.85
675577	231-BK	Black	1-9V	4.38 x 3.25 x 1.51	6.05	4.75	4.30
675585	231-I-BK †	Black	1-9V	4.38 x 3.25 x 1.51	6.05	5.04	4.03
675497	133-BK	Black	None	4.38 x 3.25 x 2.51	5.79	4.55	4.50
675500	151-BK	Black	None	5.63 x 3.25 x 1.51	5.99	4.69	4.59
675593	251-BK	Black	1-9V	5.63 x 3.25 x 1.51	8.09	6.43	5.75
675518	153-BK	Black	None	5.63 x 3.25 x 2.51	7.55	6.27	5.11
675526	171-BK	Black	None	6.88 x 4.88 x 1.51	8.75	6.79	6.69
675534	172-BK	Black	None	6.88 x 4.88 x 2.01	8.09	7.70	7.31
675542	173-BK	Black	None	6.88 x 4.88 x 2.51	9.75	7.68	7.53
675551	193-BK	Black	None	9.50 x 6.34 x 2.51	13.79	10.85	10.57

† Insert on top is recessed 0.015" on all models designated with an "I"

SL Series — Sloped Top Enclosures



- Slanted top
- 2-insert areas for customized I-plates

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
694698	05-SW-BK	Black	5.63 x 3.25 x 0.91	$6.79	$5.64	$4.79
675606	15-S-BK	Black	5.63 x 3.25 x 1.51	5.99	4.70	4.27
694680	27-S-BK	Black	6.88 x 4.88 x 2.49	9.95	8.22	7.81

CA Series — Keychain Style w/ Battery Compartment



- Ergonomic design
- 0-4 button configuration
- Designed to hold a 20mm coin cell battery
- Assembles with two or three screws

Part No.	Product No.	Buttons	Color	Size (L"xW"xH")	1	10	50
694583	CA-4, 2-BK	2	Black	2.48 x 1.73 x 0.60	$5.19	$4.17	$3.58
694591	CA-4, 3-BK	3	Black	2.48 x 1.73 x 0.60	3.95	3.09	2.52
694604	CA-4, 4-BK	4	Black	2.48 x 1.73 x 0.60	3.95	3.09	2.52

R Series — Waterproof Cases



- Lifetime guarantee
- Airtight and UV protected
- Waterproof to 30ft, dustproof, corrosion proof
- Features auto pressure purge valve, secure lock holes, nut & bolt security, and foam-filled

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675614	R-120F	Black	7.6 x 5.0 x 2.2	$15.85	$14.51	$13.91
675622	R-300F	Black	9.59 x 7.42 x 3.98	30.35	24.70	23.87
675631	R-520F	Black	12.8 x 9.0 x 6.0	49.75	45.99	44.50
675649	R-720F	Black	18.3 x 13.2 x 6.72	88.91	76.61	73.87

Please Note: Images used are representative. Color and shapes vary by model.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

JAMECO ValuePro

The prototype builder boards on pg 207 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 207 (P/N 106551).
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures

See pages 140 - 141 for knobs and hardware

Call for additional OEM pricing.



*All boards sold separately, see pg 207; multiple boards shown

ABS Plastic Enclosures

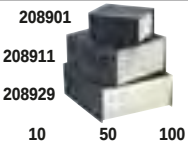
Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid.
All sizes below are for interior dimensions.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855 ℞	3.1" x 2.0" x 0.9"	$3.15	$2.84	$2.55	$2.30
18914	H2853 ℞	4.9" x 2.5" x 1.5"	3.69	3.32	2.99	2.69
18893	H2851 ℞	6.0" x 3.5" x 1.9"	4.79	4.31	3.88	3.49
18906	H2852 ℞	7.5" x 4.3" x 2.3"	7.25	6.51	5.86	5.27

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A ⊕	4.0" x 3.3" x 2.2"	$6.49	$5.89	$5.29	$3.96
208911	B2743A ℞	5.9" x 5.3" x 3.0"	9.09	8.20	7.40	6.71
208929	B2744A ℞	7.3" x 6.3" x 2.8"	10.15	9.14	7.31	6.42
209350	B2746A ℞	6.3" x 7.8" x 2.5"	13.35	10.04	9.60	7.20
209358	B2747A ℞	7.5" x 9.8" x 3.2"	17.99	16.19	12.95	9.78

Die-Cast Aluminum Enclosures

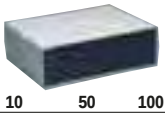
Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002 ⊕	3.9" x 2.0" x 1.0"	$5.95	$5.39	$4.85	$4.35
11965	B5004	4.7" x 2.4" x 1.6"	8.99	8.10	7.29	6.56
11973	B5006 ⊕	7.5" x 4.3" x 2.4"	16.74	15.08	13.56	12.21

ABS Heavy-Duty Instrument Cases

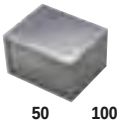
P/N 18877 includes ventilation and speaker sound slots. • Color: gray



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505 ℞	7.9" x 6.3" x 2.5"	$7.89	$7.10	$6.39	$5.75
18877	H2507 ℞	10.0" x 7.5" x 3.1"	9.15	8.15	7.43	6.68

Aluminum Enclosures

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	B2300 ℞	4.0" x 2.0" x 2.8"	$6.85	$6.14	$4.91	$3.69
11885	B2320 ⊕	5.0" x 4.0" x 3.0"	9.55	8.80	8.30	7.82

ABS Enclosures w/ Clear Tops

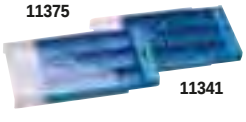
Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1 ℞	4.6" x 3.2" x 1.8"	$9.99	$8.99	$7.99	$6.99
141841	203D1 ℞	6.5" x 3.4" x 2.2"	11.15	10.07	9.06	8.12
141859	203F1 ℞	7.3" x 5.7" x 3.0"	11.99	10.99	9.99	8.99

Bug Boxes

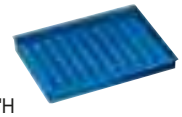
- Anti-static plastic
- Fits in bug cage (P/N 11332, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- **11341:** stores sixty 8-pin or thirty 16-pin DIPs
- **11375:** Designed to store all types of components



Part No.	Description	1	10	100
11341	30 compartments	$5.95	$5.49	$4.85
11375	3 compart./6 vertical & 6 horizontal dividers	4.29	3.95	3.65

Bug Tray

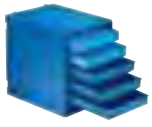
- Fits in bug cage (P/N 11332, below)
- 10 compartments 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H



Part No.	Description	1	10	100
11800	Divided bug tray	$6.39	$5.74	$5.16

Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Case size: 5.0"L x 3.9"W x 5.1"H
- Color: blue



Boxes/Trays not included

Part No.	Description	1	10	100
11332	Bug cage	$8.95	$8.02	$7.22

Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

319601: 5.5"L x 2.7"W x 1.5"H
319611: 2.5"W x 1.2"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

✳ Minimum order 10 pieces

Part No.	Description	1	10	50
319600	Component cabinet ℞	$15.95	$13.95	$12.49
319601	Drawer for cabinet	.39	.35	.29
319611	Divider for cabinet ℞ ✳	.19	.17	

Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers

100256: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)

148902: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)



Part No.	Description	1	10	100
100255	18 compartments ⊕	$2.25	$1.91	$1.43
148902	12 compartments	3.99	3.59	3.19

Plastic Fliptop Case for SMDs

- 128 compartments • Color: gray
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 68
- Size: 11.0"L x 8.3"W x 1.7"Thick



Includes: Labels for each bin

Part No.	Description	1	10
164267	SMD fliptop case ℞	$49.95	$44.99

More Storage & Boxes available at www.Jameco.com

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

Workshop Chemicals

TECHSPRAY

- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs

For more Techspray Chemicals visit www.Jameco.com



263530 139934 118033 263572 481764 263716

Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900	10 oz. aerosol w/ trigger ♻ *	0.8	$8.99	$8.37
263530	15 oz. aerosol w/ trigger ♻ *	0.8	12.99	12.35

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934	10 oz. aerosol can ♻ *	0.8	$12.95	$11.58

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041	10 oz. flux remover ♻ *	0.8	$10.85	$10.50

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033	10 oz. contact cleaner ♻ *	0.9	$9.99	$8.94

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572	1 pint bottle ♻ *	1.1	$9.99	$8.99

No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics.

Part No.	Description	Wt. (lbs.)	1	5
481764	11.5 ml pen *	0.1	$5.69	$5.55

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716	4.89 ml pen ♻ *	0.1	$17.19	$16.38

*Shipped via UPS ground to continental U.S. only

Pre-Sensitized Circuit Boards & Developer

DATAK

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"T

156751



Includes: Instructions

Part No.	Description	1	10	25
156751	Single sided	$5.19	$4.72	$4.15
156734	4 oz. pos. developer *	6.95	5.95	4.95

Dry Concentrated Etchant

DATAK



- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201	ER3 *	$4.55	$3.94	$3.59

*Shipped via UPS ground to continental U.S. only

Plastic Pump Bottle

XYTRONIC



- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Description	1	10	50
158131	Pump bottle ♻	$9.95	$8.95	$7.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 212.

Prototype Boards

GC

Experimenter's Phenolic Prototype Board

Excellent for use in prototype building, experimenting, hobby or science projects and kit building. 0.03" punched holes on 0.150" centers.



Part No.	Product No.	Description	Size	1	10	50
616673	22-512	Single land patt.	6.75"L x 3.38"W x 1/16"Th	$5.29	$4.76	$4.28

Plug-In IC Phenolic Prototype Board

IC's plug directly into board. It's 0.1" spacing accepts 14-pin to 20-pin IC's. Silver plated lands with 24-way card edge connector plug on one end. 0.035" diameter holes.



Part No.	Product No.	Size	1	10	50
616614	22-500	2.7"W x 4.0"L x 1/16"Th	$2.79	$2.65	$2.52

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated.

- 0.1" centers



Part No.	Product No.	Size	1	10	50
616631	22-504	3 1/8"W x 5 1/16"L x 1/16"Th	$4.05	$3.80	$3.35

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- Silver-plated land patterns
- Predetermined short tracks for multi-IC work
- 0.035" diameter holes
- 0.1" centers

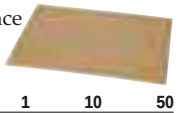


Part No.	Product No.	Size	1	10	50
616622	22-502	3.5"W x 6"L x 1/16"Th	$6.49	$6.06	$5.35

Perforated Bare Phenolic Prototype Board

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

- 0.093" dia. holes, 0.265" spacing



Part No.	Product No.	Size	1	10	50
616690	22-516	6.0"L x 4.5"W x 1/16"Th	$5.29	$4.96	$4.37

Wire Wrap and Push-In Terminals

VECTOR ELECTRONIC COMPANY

For .042" Diameter Holes

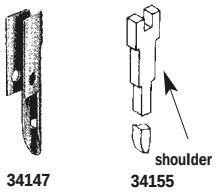
- Material: copper alloy
- Prebagged 100 pcs.

34147: Push-In Micro-Klip Terminals

- Overall length: .36"
- Post size: .032" x .045"

34155: Miniwrap Wiring Terminals

- Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69"
- Post size: .025"Sq.



34147 34155

Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units 1	100 pc. units 10
34147	T421	.200	.097	$8.75	$8.34
34155	T44	.065	.530	11.45	9.80

For complete 3M selection



Visit us online at www.Jameco.com

More Major Brand products available at www.Jameco.com

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Prototyping Boards

The only prototyping system that allows one to work on one circuit block at a time, test the blocks individually, and then connect the blocks together. This is why the system is called "Electronic Circuit Building Blocks."


1537580


1537723


1537635


1537660


1537686

Thru Hole Boards

Part No.	Product No.	Description	Price
1537580	201-0001-01	0.1" center spacing w/ 0.5" offset, 12 ground holes	$5.49

Discrete Surface Mount Boards

1537715	202-0034-01	0201/0603/0805/1206/1210/1608/1812/ 2010/2512 discrete SMT in case size A/B/C	$10.99
1537723	202-0035-01	SOT23-3/5/6/SC70-5/6/DPAK/D2PAK/SOT223/TO263-7/ SOT89/0805/1206 discrete in case size A/B/C/D/E	10.99

SO/SOP Boards

1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	$10.99
1537643	202-0007-01	Up to 72-pin SO/SOP/QSOP/SSOP/TSSOP/PSSOP w/ 0.5mm pitch, 0603 & 0805 discrete, 6 ground holes	10.99

CHIPSCALE (QFN) Boards

1537678	202-0016-01	Supports 12-24 pins w/ 0.5mm & 0.65mm pitch	$10.99
1537686	202-0017-01	Supports 10 & 32 pin w/ 0.5mm pitch	10.99
1537694	202-0018-01	Supports 8 & 48 pin w/ 0.5mm pitch	10.99
1537707	202-0020-01	Supports 64 pin w/ 0.5mm pitch	10.99

QFP Boards

1537651	202-0009-02	Up to 64 pins QFP, TQFP, PQFP w/ 0.8mm pitch & 0603 discrete, 22 ground holes	$10.99
1537660	202-0011-01	32-100 pins QFP, TQFP, PQFP w/ 0.5mm pitch & 0603 discrete, 6 ground holes	10.99

Thru Hole I/O and Power Board

1537598	201-0100-01	Power & ground strip	$2.75
1537601	201-0104-01	DB-25 connector	2.75
1537619	201-0105-01	JTAG 20-pin w/ 0.1" spacing & IEEE 1394	2.75
1537627	201-0106-01	RGB HD-DB15, 4 ground holes	2.75
1537803	201-0101-01	Drive power conn. & power jack, 12 ground holes	2.75
1537811	201-0102-01	ATX power connector, 10 ground holes	2.75
1537820	201-0108-01	RJ11 or RJ45 & one USB-B conn., 8 ground holes	2.75

Accessories

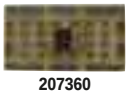
1537740	920-0005-01	10 pcs. 22AWG 3" jumper wires & 20-pin headers	$5.49
1537758	920-0006-01	10 pcs. 22AWG 5" jumper wires & 20-pin headers	5.49
1537766	920-0007-01	10 pcs. 22AWG 7" jumper wires & 20-pin headers	5.49
1537774	920-0008-01	100 pcs. 22AWG 3" jumper wires	41.89
1537782	920-0009-01	100 pcs. 22AWG 5" jumper wires	41.89
1537791	920-0010-01	100 pcs. 22AWG 7" jumper wires	41.89

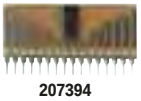
SCHMART MODULE Operates on a single 5V power source, ESD protected in excess of 15KV on all I/O lines, 4 LED's (2TRX & 2RCX), pre-installed headers for transceiver lines, +5V, & ground.

Part No.	Product No.	Price
1537731	710-0001-01	$16.55

Surfboards®

Mini Breadboards for Surface Mount Devices.


207360


207394


207597

Part No.	Product No.	1	10
207360	9081 (For 8-pin SOIC)	$1.35	$1.22
207378	9082 (For 8-pin SOIC)	3.55	3.10
207394	9163 (For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H)	5.45	4.79

Application Specific Adapters

Part No.	Product No.	Accepted Devices	Pins	1	10
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	$1.95	$1.69

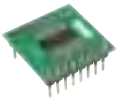
Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 98)
- Size: 7.6"L x 5.0"W
- Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications


215491


Portion of 681133


Application example using 215503

Small SMT

Part No.	Prod. No.	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$45.95	$41.35
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	$45.95	$41.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.35

Fine Pitch Dual Row

215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	$45.95	$41.35
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	45.95	41.45

Quad

215511	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	$45.95	$41.35
323926	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adapter for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
336479	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TQFP/QFN/MLF/MLP 4/8/12/16/24/28/32 pins	45.95	41.45

PitchStick™

681133	B534	2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches	$45.95	$41.45

Kits

Part No.	Prod. No.	Description	Price
681168	KIT-100	1 each of B500, B502, B503, B504, B505, B507	$169.95
681176	KIT-101	1 each of B500, B504, B513, B514, B516, B517	169.95
681184	KIT-202	1 each of B504, B508, B510, B513, B514, B516, B517, B535, B536, B537 & 2 of B500	349.95
681205	KIT-302	1 each of B504, B505, B507, B508, B510, B513, B514, B515, B516, B517, B518, B519, B535, B536, B537 & 3 of B500	529.95

Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.

- 1.6mm thick


Fig. 1


Fig. 2


Fig. 3

Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
Single-Sided							
169279	PCBS3X6	3.0 x 6.0	3	0.1	$3.49	$3.14	$2.36
169288	PCBS6X6	6.0 x 6.0	2	0.2	4.95	4.46	3.56
169296	PCBS12X12	12.0 x 12.0	1	0.5	13.49	12.14	10.93
Double-Sided							
169309	PCBD3X6	3.0 x 6.0	3	0.1	$5.25	$4.73	$4.25
169317	PCBD6X6	6.0 x 6.0	2	0.2	7.95	7.16	5.72
169325	PCBD12X12	12.0 x 12.0	1	0.7	17.95	16.16	12.92

More ValuePro products available at www.Jameco.com

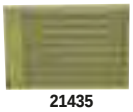
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

JAMECO ValuePro

General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

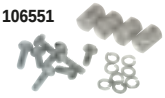

206578


21435


52943


21478

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided


106551

Board Outline



Circuit Patterns


A — Holes Only


B — Pad Per Hole


C — Power/Ground Perimeter Bus with Pad Per Hole


D — 3 Hole Solder Pad and Bus

For more ValuePro Prototyping Boards visit www.Jameco.com

See PCB enclosures on pg 204, mounting hardware (recommend P/N 106551) below

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 204)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing 1	10	50	100
105100	2855PCB℞	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	$5.25	$4.73	$4.25	$3.83
105101	5002PCB⊕	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.59	4.95
263186	PCB-403℞	1.80 x 3.10	18922	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105129	2853PCB℞	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105111	2300PCB℞	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263207	PCB-463℞	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
263215	PCB-858℞	2.50 x 4.50	18914	D	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105153	2851PCB℞	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263223	PCB-69℞	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105137	2320PCB℞	3.30 x 4.50	11885	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105162	2852PCB℞	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206587	2746APCB℞	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21435	JE401(8001)℞	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.76	17.78	16.00
21452	JE405(8003)℞	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	14.36	10.77
206578	2743APCB⊕	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105180	2505PCB℞	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	10.95
21478	JE407(8006)℞	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594	2747APCB⊕	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187	2507PCB⊕	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263232	PCB-7038℞	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09
263249	PCB-6088⊕	9.20 x 13.0	N/A	B	Plated through	11,000 x .042"	10	None	13 x .115"	.50	55.95	52.19	49.59	37.19
Other Manufacturers — Great Deals														
28177	PCB1⊕	2.42 x 4.10	18914	C	Plated through	674 x .040"	None	None	4 x .120"	.04	$5.95	$5.35	$4.79	$4.29
28194	PCB3℞	5.00 x 8.00	18877	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	24.65	22.16	19.94	18.19
Vector Products														
43140	64P44XXXP	4.50 x 6.50*	18869	A	Drilled only	2860 x .042"	None	None	None	.09	$7.75	$7.05	$6.99	$6.91
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	11.19	11.05	10.95	10.85
37604	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	20.59	17.55	17.34	17.12
37612	169P44XXXP	4.50 x 17.0*	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	15.65	14.99	14.40	13.92
37621	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	28.39	27.56	26.73	25.93
106551	20 pieces PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										2.82	2.61	2.30	2.14

* PCB material: phenolic † All 0.042" diameter hole boards use terminals T44 and T421 (pg 205), T49 (see web)

PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101179 & 101187, pg 120)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	$17.75	$16.85	$16.45
262511	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	32.49	30.89	29.35


262511


262537


645677

GC Electronics

Circuit Boards

For more GC Electronics Circuit Boards visit www.Jameco.com

Bare Copper Circuit Boards

1 oz. copper on base of either fiberglass or reinforced epoxy board.

Single-Sided Boards • 1/16" Thick

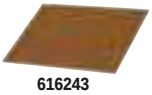
Part No.	Product No.	Size	1	10	50
616471	22-250	3" x 5"	$2.69	$2.53	$2.23
616489	22-260	4" x 6"	3.59	3.35	2.95
616497	22-261	6" x 6"	4.99	4.66	4.11
616500	22-263	6" x 9"	5.69	5.32	4.69
616518	22-264	8" x 10"	8.89	8.32	7.34
616534	22-268	11" x 14"	17.75	15.09	13.19

Assortment Single Sided Bare Boards

Part No.	Product No.	Description	1	10	50
616551	22-272	(1) 2" x 4.5", 3" x 4.5" & (2) 2.25" x 3"	$5.49	$5.13	$4.51

Positive Pre-Sensitized Circuit Boards

1 oz. copper on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-sensitized board is double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure.


616243

Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616243	21-332	3" x 4"	$5.29	$5.00	$4.75
616251	21-334	4" x 6"	5.35	4.99	4.40
616260	21-336	6" x 6"	5.99	5.58	4.92

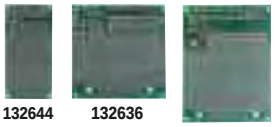
Double-Sided Boards

Part No.	Product No.	Size	1	10	50
616307	21-353	6" x 9"	$11.69	$11.10	$10.54
616315	21-357	12" x 12"	31.95	30.24	27.22

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area • Silkscreen legend
- Solder mask on both sides makes soldering easy


132644 132636 132652

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18, 18L: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61,620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Description	Size (L" x W")	1	10
132644	PICProto 18	3.0 x 1.5	$9.95	$8.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242 and 252

Part No.	Description	Size (L" x W")	1	10
132636	PICProto 3	3.0 x 3.0	$14.95	$13.49

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

Part No.	Description	Size (L" x W")	1	10
132652	PICProto 64	4.0 x 3.0	$16.95	$14.95

microEngineering Labs Experimenter's Module Board

Provides an assembled test bed containing most of the circuitry commonly used with PICmicro microcontrollers. Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer and RC servo controller.



- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P (P/N 176882, pg 2)
- Reset button • 16 switch keypad • 3 potentiometers • LED bargraph
- 2 lines x 20 characters LCD module • Speaker • 2 RC servo connectors
- RS232 interface • Size: 5.5" x 5.6" • One-year warranty
- Socket for I2C & SPI serial EEPROM, RS485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector • Prototyping area for additional circuit

Requires: AC adapter (below)

Part No.	Description	1	10
169113	LAB-X1 Experimenter Board	$199.95	$189.95
176882	PIC16F877-20/P microcontroller (pg 2) ⊕	9.29	8.05
127976	AC adapter (details on pg 168)	5.99	5.66
1581222	LAB-X1 Tutorial & Resource Book	49.95	48.95

microEngineering Labs EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 2.



- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679	EPIC Plus PICmicro programmer	$59.95	$53.95
136397	8/18/20-pin ZIF adapter	34.95	31.95
132610	40/28-pin ZIF adapter	34.95	31.95
162317	AC wall adapter (16VDC/500mA, details on pg 169)	10.49	9.18
67257	6' DB25 cable (details on pg 86)	7.74	6.95

microEngineering Labs PICBasic Pro Compiler

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Bit, byte, word arrays • Real if…Then…Else…End if
- Hierarchical expression handling • Built-in LCD support
- Interrupts in BASIC & assembler • BASIC Stamp I & II library
- MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers



Part No.	Description	1	10
150543	PICBasic Pro compiler	$249.95	$224.95

PLCC Prototype Adapters

- PCB construction
- Tin-plated PLCC connector • Gold-plated round pins
- PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10


73541

Part No.	Pins	Size (L x W)	1	10	100
73541	44 ⊕	2.3" x 1.6"	$11.95	$10.79	$9.69
73569	84	4.3" x 1.9"	27.85	23.69	17.77

EE Tools Universal 48-Pin USB Programmer



- Supports 7,000+ devices including the latest NAND flash memory, standard flash memory, EPROM, EEPROM, serial PROM & microcontrollers
- Device programming speed: 1.5M-bit per second
- Low voltage supports 5, 3.3, 3, 2.7, 2.5, 1.8V programming voltages
- Blank check/program/verify 4M-bit flash memories in 85 sec.
- Supports ASCII, Intel HEX, Motorola S, Tektronix HEX, JEDEC & HOF file formats
- User-friendly menu driven iram, verify, blank check, erase, gang programming mode, edit & set programming options via host PC
- Independent start key in each socket • Weight: 3.5 lbs.
- Input voltage: 100-240VAC @ 50-60Hz • Size: 10.6"W x 3.8"D x 2.5"H

Includes: USB cable, CD-ROM software and manual

System requirements: 386/486/Pentium® or compatible, USB 1.1 or 2.0, 4MB hard disk space, 16MB RAM, Windows® 95/98/ME/2000/NT/XP operating system

Part No.	Product No	1	5
694891	PROMAX-4G	$2,225.75	$2,114.46
694882	TM-8G-DP (8-gang adapter)	336.45	319.58

High-Speed Universal Device Programmer/Tester

Parallel Port Interface



- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & MCU
- 8000+ device types supported
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Supports POF and JEDEC formats
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed; 4X faster than offshore brands
- High-speed device function tests and user creatable test library
- Protects hardware circuits from improperly inserted or defective chips
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket	1	5
207765	TOPMAX	48-pin universal ZIF	$875.95	$681.86

EE Tools 13,000+ Device USB Only Programmer

USB Interface



- Universal device (13000+) support includes the latest NAND Flash Memory, standard Flash Memory, EPROM, EEPROM, serial PROM, GAL, FPGA, and MCU
- On-board FPGAs for extremely fast communication
- Supports real low-voltage support: 5, 3.3, 2.7, and 1.8 volt for programming power
- Detects all pin locations for poor or damaged pin contacts
- External "Start" key allows customer to execute the optional auto program parameters without PC command
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors • External switching power supply, 110-240VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port

Includes: USB cable, wall adapter, program CD and manual

System Requirements: IBM PC 386,486, Pentium® or compatibles with USB port, Windows® 98/Me/2000/NT/XP, hard drive, 512K RAM

Part No.	Description	Socket	1	5
694866	CHIPMAX 2	48-pin ZIF	$544.95	$517.75

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Flash Writer/Programmer with USB Interface

- Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Only 22 sec. to blank check, program & verify MXIC MX29F040
- Programs 8-bit Flash serial via USB cable on Windows® 9x/2000/XP



Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D	$199.95	$179.95

42,000+ Device 48-Pin USB/Stand-Alone Programmer

- Fastest low-cost programmer in the market; programs high-density Flash memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Supports: EPROM, Paged EPROM, EEPROM, FPGA Configuration Serial PROM, Flash Memory (NOR and NAND), BPROM, NOVRAM, SPLD, CPLD, EPLD, Firmware HUB, MCU, standard logic
- Reliable programming of low voltage devices down to 1.5 volts
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Overcurrent/overvoltage protection for safety of the chip & programmer hardware
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.



Includes: 12VDC @ 2.5A AC adapter, program CD, USB cable and manual

Part No.	Description	1	5
231221	SuperPro-3000U USB universal programmer	$989.95	$940.45

21,000+/31,000+ Device 48-Pin USB Programmers

- High speed programming, 32Mb flash in 13.5 sec. (program + verify)
- Supports EPROM, paged EPROM, parallel & serial EEPROM, FPGA configuration serial PROM, FLASH memory (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, microcontroller, MCU, standard logic, ISP
- Advanced hardware features minimized bounce noise
- Over current and over voltage for programmer hardware
- Software supports Windows® 98/ME/NT/2000/XP
- Pin continuity & wrong chip insertion check prevents chip from accidental damage

692457



Includes: Power adapter, manual, program CD and USB cable

Part No.	Description	Price
692457	SUPERPRO 280U, supports 21,000+ devices from 132+ IC manufacturers	$524.95
692449	SUPERPRO 580U, supports 31,000+ devices from 146+ IC manufacturers	737.55

37,000+ Device/48-Pin USB Stand-Alone Gang Programmer

- 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 37,000+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- Programs latest low voltage devices
- Asynchronous fast programming, each module is independent from one another
- ISP (in-system programmable) devices supported
- Programming starts automatically when a chip is inserted
- Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hard-keys, 4 compact flash cards (removable which can support up to 256MB)
- Operating volt.: AC input of 90-250V @ 50/60 Hz, or 24V @ 5A power adapter
- Size: 21.3"L x 7.7"W x 2.3"H



Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and manual

Part No.	Description	Price
692490	SUPERPRO 9000U programmer	$3,295.05

3400+ Device, 40-Pin Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & Flash
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.



Includes: Power adapter, parallel cable, manual and CD-ROM software

Part No.	Description	1	5
231183	SuperPro-Z universal programmer	$244.95	$232.69

More Major Brand products available at www.Jameco.com

Project Boards & Breadboard Accessories

Powered Project Boards

- Solderless breadboard with 2420 tie points
- Power switch with light
- Outputs are short circuit protected
- Weight: 6.8 lbs.

Includes: Power cord

136259: fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA

- Back panel has ground terminal
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103907, pg 78
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H
- One-year warranty



136259

1537264: fixed power: +5V @ 1A; variable power: 0 to ±16VDC @ 300mA • Fuse protection

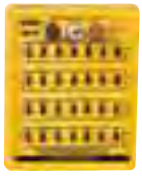
- Front panel has color coded terminals for DC output power supply, adjustable knobs & ground terminal
- Input voltage: 110/220VAC @ 50-60Hz switchable
- Breadboard size: 5.8"W x 6.5"L
- Enclosure size: 10.0"L x 7.8"W x 2.4"D

Part No.	Description	1	10	25
136259	Powered brd	$109.95	$103.88	$101.94
1537264	Powered breadboard	84.05	75.00	64.00

Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668

211668:

- 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



211676

211676:

- 5 decade ranges of capacitance
- 5% capacitance substitution from 100pF to 11,111µF

Part No.	Description	1	10
211668	Resistance	$99.95	$94.89
211676	Capacitance	130.25	123.68

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers
- Clear plastic durable case



19290

20080: 350-piece refill for 19290

Part No.	Description	1	10	50	100
19290	Wire jumper kit	$16.59	$14.97	$13.47	$12.12
20080	Refill for 19290	11.65	10.48	9.43	8.59

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

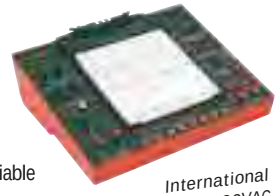


126342

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	JW50	50/1.97	$4.45	$3.90	$3.29
126342	JW100	100/3.94	5.49	4.98	4.49
126325	JW200	200/7.87	5.79	5.23	4.74

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Digital/Analog Design Lab



International 120/220VAC Switchable

Solderless Breadboard
- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Input power: 120/220VAC @ 50-60Hz (switchable)

Function Generator • Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz
- Sine wave output: 0–8 Vpp variable
- Triangle wave output: 0–6 Vpp variable
- Square wave output: 0–8 Vpp variable

Other features:
- 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 2 pulse switches (2 sets of outputs: $\bar{A}$, A, $\bar{B}$, B)
- Two 7-segment LED displays (digit height: 0.3")
- 8 data switches
- 2 banana sockets, 2 BNC jacks
- 8 red LEDs with separate input terminals
- 2.5" dia. 8Ω, 25W speaker
- One-year warranty
- Includes power cord and manual

Part No.	Description	Size (W" x D" x H")	Weight (lbs.)	1	10	25
136267	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	$439.95	$399.95	$335.95
319214	Replacement breadboard ⊕	6.7 x 6.5 x 0.4	0.5	24.95	22.70	21.58

Digital/Analog Design Labs

Our most popular digital lab!



75839

International 115/220VAC Switchable

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard
- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)
- Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz
- Sine wave output: 0–8 Vp-p variable
- Triangle wave output: 6Vp-p fixed
- Square wave output: ±5V fixed

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75839	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75839	Digital lab	10.6 x 13.3 x 5.0	8.1	$290.19	$275.68	$261.90
201890	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8	408.45	347.19	316.98

AC/DC Power Supply

Ideal for Breadboards below



International 120/220VAC Switchable

Output Specifications:
+5VDC @ 1A;
-5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in and start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77842, pg 194
- Size: 7.4"W x 5.5"D x 2.6"H
- Color: beige
- Weight: 5.5 lbs.
- One-year warranty

Part No.	Description	1	10	25
77682	Power supply	$139.15	$127.54	$115.94

Solderless Breadboards

JAMECO ValuePro — EXCLUSIVE

For more ValuePro Breadboards visit www.Jameco.com

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (above right).
- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty
- * WBU5 and JE series do not interconnect

Attention Educators! Buy jumper wire (pg 209) in bulk and SAVE!
(see Solid Hook-up Wire on page 83)



20670



20758



20812

WBU5 Series Key Features:
- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:
- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 209)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing 1	10	50	100
20601	JE21	1	2	400	0	3.3 x 2.1	—	0.13	$5.49	$4.97	$4.46	$4.02
20670	JE22	1	0	630	0	6.5 x 1.4	—	0.20	6.59	5.94	5.39	4.74
194299	JE37	1	2	640	0	6.9 x 2.4	—	0.25	11.25	10.11	8.08	6.06
20723	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.85	8.87	7.99	7.19
194271	JE34 ⊕	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	19.14	17.82	16.94	16.08
20758	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901	WBU504 ⊕ *	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	22.89	20.90	18.90	16.90
20774	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20791	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20812	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

Great Savings on Breadboard Test Leads

Part No.	Description	1	10	25
421315	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm) ⊕	$12.95	$11.69	$10.49

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Laser Diode and Driver


161737


182932

182932: Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- 5.6mm packaging size
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- Beam divergence of 11˚ from center line max.

Class IIIa Laser Product

161737: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA

Part No.	Description	1	10	25
182932	650nm laser diode	$14.95	$13.45	$12.15
161737	Laser driver ♻	8.39	7.32	6.59

Laser Diode Module



- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia
- One-year warranty

Class IIIa Laser Product

Part No.	Description	Price
310519	Laser module, brass	$44.95

Green Laser Pointer



Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night.

- Output wavelength: 532nm
- Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Price
223731	Green laser pointer	$99.95

Boe-Bot Full Kits



PARALLAX

Now with Robotics text v.2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4 AA batteries (not included).

Part No.	Product No.	1	10
387997	28832 (USB)	$148.45	$147.09

650nm Line and Dot Laser Diodes

143845/173243:

Class IIIa Laser Product


173243

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

143845: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60˚

173243: Cross hair laser diode module

- Laser fan angle: 60˚
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment



143853

Part No.	Description	1	10
143845	Line laser diode module	$114.95	$103.95
173243	Cross hair laser diode mod ⊕	89.95	80.95
143837	Regulated power supply ⊕	19.95	17.95
143853	Laser diode module mount ⊕	51.45	40.62

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD



Part No.	Description	1	10	100
138288	.250" ID sleeve coupler	$4.75	$4.25	$3.85

Stamp Works Kit Plus

This all-in-one kit includes a well-written collection of 35 experiments that will teach you first class BASIC stamp programming.

- Weight: 10 lbs.



Includes: Stamp Works experiments and Source Code book, Basic Stamp Syntax and Reference Manual, development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N, LM358N, DS1620, (2) 74HC595CN, 24LC32A serial EEPROM, MC14489 serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	Price
661116	27297 kit	$248.95

75W Laser Diode



- Nanostack pulsed laser diode
- Nanostack laser technology including multiple epitaxially stacked emitters
- Applications: range finding, security/surveillance, illumination/ ignition, test and measurement systems
- Peak power: 75W
- Laser aperture: 200µm x 10µm
- Number of emitters: 3
- Wavelength: 905nm

Part No.	Cross Ref. No.	1	10	100
1623584	SPL PL90-3 ♠	$37.55	$35.01	$32.82

♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

High-Efficiency Robotic Servo

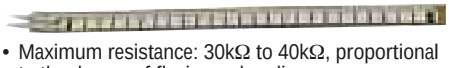
Excellent power-to-weight ratio for robotic projects.



- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60˚
- Torque: 49 oz.-in. @ 4.8V
- 0.8"W x 1.4"D x 1.6"H
- Can be operated by P/N 151001, pg 123

Part No.	Description	1	10
157067	Robotic servo	$19.95	$17.95

Flex Sensor

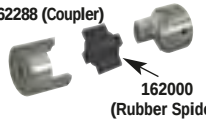


- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Nominal resistance: 10Ω
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	1	10
150551	Flex sensor	$12.95	$11.65

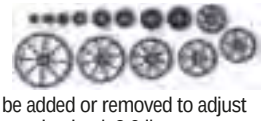
Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



Part No.	Description	1	10	50
162288	.125" (3.18 mm) ID hub	$1.49	$1.28	$.96
161998	.197" (5.00 mm) ID hub	1.19	1.02	.77
162270	.250" (6.35 mm) ID hub	1.49	1.31	1.20
162000	Rubber spider	1.55	1.38	1.26

16-Pitch Sprocket Set



- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.
- 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with ⅛" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with ¼" bore size

Part No.	Description	1	10	25
168276	Sprocket set – 14 pcs	$29.49	$26.49	$23.89

10-Piece Gear Assortment NEW



- T10, T20, T30, T40, T50 and bushing
- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter

Part No.	Description	1	10	100
1810072	Gear set – 10 pieces	$4.95	$4.45	$3.95

MONDO•TRONICS Flexinol Muscle Wires®



These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works… *Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.*

- Length: 1 meter

Includes: Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	Pricing 10
141321	100LT	100	150	180	28	150	33	$17.95	$15.95
141874	150LT	150	50	400	62	330	20	16.95	15.29
160055	375LT	375	8	2750	393	2000	4	22.95	19.95

* *Multiply by 0.0098 to get force in Newtons* ** *Cycles per minute, in still air, at 20˚ Centigrade*

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

Ordering Information

PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add $7.50 per C.O.D. order. Include the name and address of your bank and your account number.

International Orders

All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment.
E-mail: international@Jameco.com.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error may be subject to a restock fee. Call our customer service department at 1-800-536-4316 or visit www.Jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. A completed Jameco customer service form, located on the back of the packing slip, must be included with your return. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

5 EASY WAYS TO ORDER

Telephone: Toll-Free 24 hours a day!
1·800·831·4242
International orders, call 1·650·592·8097

24-hour Ordering Hotline!

Toll-Free FAX:
US/Canada: 1·800·237·6948
Brazil: 000·817·455·6119
Colombia: 980·9·136748
Indonesia: 1·803·015·237·6948
Mexico: 001·800·593·1449
New Zealand: 080·044·0470
Other Countries: 1·650·592·2503

Online: http://www.Jameco.com
On-line catalog! Our complete offering of products is searchable on the Jameco website!

Mail: E-mail your order to: sales@Jameco.com or fill out the order form (previous) and mail it to us.

In-Person: Visit Jameco at 1355 Shoreway Rd., Belmont, CA. Will-call office hours are 8:00 a.m. – 5:00 p.m. Monday – Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday – Friday from 6:30 a.m. – 5.00 p.m. PST or via e-mail:

- International Sales (international@Jameco.com)
- Customer Service (custservice@Jameco.com)
- Credit Department (credit@Jameco.com)
- Technical Support (tech@Jameco.com)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A $5.00 processing fee will be added to U.S. orders under $25.00. This fee will be waived on web orders. All international orders below $40.00 will incur a $7.50 processing fee.

PRICES

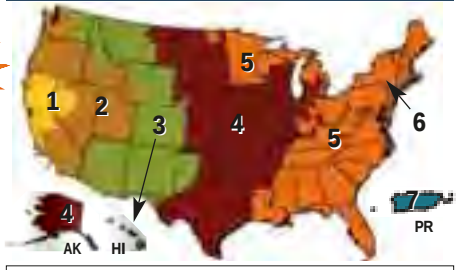
Prices are effective 10-08-07. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

RoHS COMPLIANCE

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbols throughout the catalog:

♻ RoHS compliant product
⊕ Available in both RoHS and non-RoHS

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)
1 day 2 days 3 days
4 days 5 days 6 days 7 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth $5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days.

Commercial Destination	First 2 lbs.	Additional lb.
Ground	$6.59	$0.83
3-Day	$10.69	$1.84
2-Day	$14.95	$2.69
Next Day	$37.95	$4.19
Residential Destination	**First 2 lbs.**	**Additional lb.**
Ground	$6.95	$0.83
3-Day	$12.69	$1.84
2-Day	$16.95	$2.69
Next Day	$39.95	$4.19

Priority Mail (USPS)

$5.95 for 1st lb.; $1.49 for each additional lb. Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day. Sorry we are unable to ship products mailed from an alternate warehouse via U.S.P.S.

Packaging Weight

For domestic orders, exact package weight will be measured at shipment and separately billed.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

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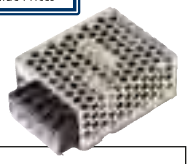
15-Watt Enclosed Switching AC-to-DC Power Supplies

MW PERFORMANCE At Value Prices

RS-15 Series

- Short circuit/overload/overvoltage/overtemperature protection
- All using 105˚C long life electrolytic capacitors
- Working temperature range: -20˚C to 70˚C
- Cooling by free air convection
- Withstands 300VAC surge input for 5 seconds
- Universal AC input/full range
- Inrush current: 50A/240VAC
- LED indicator for power on
- 100% full burn-in test
- Three-year warranty
- Size: 2.46"L x 2.0"W x 1.1"H

NEW



Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)	Load Reg. (±%)	Line Reg. (±%)	Certification	Pricing 1	Pricing 10	Pricing 25
1919043	Meanwell℞	RS-15-5	+5V @ 0-3.0A	15.0W	85-264 @ 47-63	80	1.5	0.5	UL/CUL/TUV/CE/CB	$24.95	$22.95	$20.95
1919051	Meanwell℞	RS-15-12	+12 @ 0-1.3A	15.6W	85-264 @ 47-63	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919060	Meanwell℞	RS-15-15	+15 @ 0-1.0A	15.0W	85-264 @ 47-63	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919078	Meanwell℞	RS-15-24	+24 @ 0-0.625A	15.0W	85-264 @ 47-63	200	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95

60 to 100-Watt Enclosed Switching Power Supplies

MW PERFORMANCE At Value Prices

For Indoor and Outdoor Applications

- Short circuit/overload/overvoltage/overtemperature protection
- Suitable for LED lighting & moving sign application
- UL1310 class 2 power unit
- Built-in active PFC
- 100% full burn in test
- Inrush current: 40A/230VAC
- Universal AC input/full range
- Cooling by free air convection



PLN-60/100

NEW

PLN-60 Series • IP64 Design for indoor and outdoor installation • Line and load regulation: ±4%; ±10% • Working temperature range: -30˚C to 50˚C • Size: 7.13"L x 2.42"W x 1.38"H • Two-year warranty

CLG-60 Series • IP67 Design for indoor and outdoor installation • Line and load regulation: ±4%; ±10% • Working temperature range: -30˚C to 70˚C • Size: 6.77"L x 2.42"W x 1.54"H • Three-year warranty

PLN-100 Series • IP64 Design for indoor and outdoor installation • Line and load regulation: ±1%; ±2% • Working temperature range: -30˚C to 50˚C • Size: 7.87"L x 2.78"W x 1.38"H • Two-year warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)	Certification	Pricing 1	Pricing 10	Pricing 25
1918913	Meanwell℞	PLN-60-12	+12 @ 0-5.0A	60.0W	90-264 @ 47-63	2.0	UL/CUL/TUV/CE	$77.95	$69.95	$62.95
1918964	Meanwell℞	PLN-60-15	+15 @ 0-4.0A	60.0W	90-264 @ 47-63	2.4	UL/CUL/TUV/CE	77.95	69.95	62.95
1918981	Meanwell℞	PLN-60-24	+24 @ 0-2.5A	60.0W	90-264 @ 47-63	2.7	UL/CUL/TUV/CE	77.95	69.95	62.95
1918921	Meanwell℞	CLG-60-12	+12 @ 0-5.0A	60.0W	90-264 @ 47-63	2.0	UL/CUL/TUV/CE	96.95	85.95	76.95
1919001	Meanwell℞	CLG-60-15	+15 @ 0-4.0A	60.0W	90-264 @ 47-63	2.4	UL/CUL/TUV/CE	96.95	85.95	76.95
1919027	Meanwell℞	CLG-60-24	+24 @ 0-2.5A	60.0W	90-264 @ 47-63	2.7	UL/CUL/TUV/CE	96.95	85.95	76.95
1918833	Meanwell℞	PLN-100-12	+12 @ 0-5.0A	60.0W	90-264 @ 47-63	150m	UL/CUL/TUV/CE	107.75	93.95	81.95
1918841	Meanwell℞	PLN-100-15	+15 @ 0-5.0A	75.0W	90-264 @ 47-63	150m	UL/CUL/TUV/CE	107.75	93.95	81.95
1918868	Meanwell℞	PLN-100-24	+24 @ 0-4.0A	96.0W	90-264 @ 47-63	150m	UL/CUL/TUV/CE	107.75	93.95	81.95

Connectors

See pages 92 – 120 for more Connectors

2mm Hard Metric Connectors

NEW

For more ERNI Connectors visit www.Jameco.com

- Operating temperature range: -55°C to 125˚C
- Contact material: phophor bronze, gold plated
- Insulation resistance: 104MΩ
- Contact resistance: 20MΩ

Part No.	Product No.	Type	Description	No. of Positions	Connector on PCD	Pricing 1	Pricing 10	Pricing 100
1813628	104112℞♠	A	Vertical **F** w/ shield, w/o peg version 6	110	—	$10.35	$9.29	$8.37
1811294	064176℞♠	—	CompactPCI® **F** w/ shield, w/o peg for daughter cards	25	J1, J4	5.75	5.19	4.67
1835341	923190℞♠	A	CompactPCI® **M** w/ peg for backplanes	25	P1	5.15	4.65	4.19
1811286	064097℞♠	A	CompactPCI® vertical **M** w/ peg for backplanes	154	P1	5.99	5.25	4.37
1814102	114538℞♠	AB	Right angle **F** w/o shield, w/o peg for daughter cards	125	—	10.19	9.16	8.25
1814727	134075℞♠	AB	CompactPCI® **F** w/ shield, w/o peg	95	rJ3	10.19	9.16	8.25
1811104	044767℞♠	B	Right angle **F** w/o shield/ w/o peg for daughter card	125	—	6.69	6.01	5.41
1811121	053008℞♠	B	Vertical **M** for backplanes	175	—	8.09	7.27	6.55
1834146	914793℞♠	B	CompactPCI® vertical **M** w/ extended terminals for backplane	133	P3	8.05	7.25	6.53
1834154	914794℞♠	B	CompactPCI® rt. angle **F** w/o shield, w/o peg for daughter cards	95	J3	6.19	5.57	5.01
1811374	064784℞♠	B	Female w/ upper shield for daughter cards	19	J3	5.15	4.63	4.17
1813943	114112℞♠	B	Vertical **F** w/ shield, w/o peg version 6	95	—	23.89	21.51	19.36
1811382	064785℞♠	B	CompactPCI® **F** w/ upper shield for daughter cards	22	J2, J5	6.69	6.03	5.43
1834162	914796℞♠	B	CompactPCI® **M** wide	154	P2, P5	5.15	4.63	4.17
1811032	044145℞♠	C	Right angle **F** w/o shield, w/o peg for daughter cards	55	—	3.15	2.81	2.54
1836264	973028℞♠	—	Ermet ZD right angle **F**, 3-pair, pressfit, 1.8mm term length	90	—	14.85	13.37	12.04
1836272	973031℞♠	—	Advanced TCA backplane connector module, 4-pair, 25mm L, pressfit, 3.7mm term length	120	—	14.55	13.07	11.76

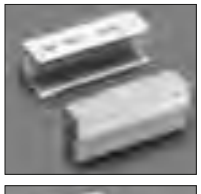
1813628



1814102



1811104



1811032



♠ This product ships from a separate warehouse and may require an additional day to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship USPS.

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 212.*

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35-Watt Open Frame Switching AC-to-DC Power Supplies

PERFORMANCE At Value Prices

See page 149 for more 35-Watt Power Supplies

PS-35 Series

- Short circuit/overload/overvoltage protection
- Working temperature range: -20˚C to 65˚C
- Cooling by free air convection
- Line reg.: ±0.5%
- Inrush current (typical): 23A/115VAC; 45A/230VAC
- 100% full burn-in test
- Input: 90-264VAC @ 47-440Hz
- Size: 4.0"L x 2.0"W x 0.94"H
- Universal AC input/full range
- Two-year warranty

Jameco Part No.	Product No.	Output Voltage @ Current	Output Power	Ripple & Noise (mV p-p)	Load Reg. (±%)	Pricing 1	Pricing 10	Pricing 25
1918972R	PS-35-5	+5V @ 0-6.0A	30.0W	100	1	$26.95	$23.95	$21.95
1918956R	PS-35-12	+12V @ 0-3.0A	36.0W	120	0.5	26.95	23.95	21.95
1919019R	PS-35-15	+15V @ 0-2.4A	36.0W	150	0.5	26.95	23.95	21.95
1919035R	PS-35-24	+24V @ 0-1.5A	36.0W	200	0.5	26.95	23.95	21.95

NEW



c UL us CE CB

Contact Information

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